Requirements for Associate in Arts (AA) Degree and Illinois Articulation Initiative General Education Core Curriculum (IAI GECC)

The Associate in Arts degree is designed to parallel the first two years of a baccalaureate degree program. Students complete freshman and sophomore level courses for baccalaureate majors in many areas such as the arts, humanities, social sciences, behavioral sciences, mathematics and related professional fields. Degree requirements vary from one four-year institution to another. It is important that students work closely with an MCC academic advisor and their transfer school.

Completion of the AA degree fulfills requirements of the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). The IAI GECC is a package of general education courses that satisfies lower-division, campus-wide general education requirements at other IAI participating schools. It is important to keep in mind that baccalaureate majors often require specific general education courses.

A student may choose to satisfy IAI GECC requirements only. In this case, an IAI audit request must be submitted to the Registration Office in order for the IAI GECC completion to be noted on the official transcript.

The following requirements apply to students who first enrolled for Summer 2019 or later. Students who first entered prior to Summer 2019 should contact an academic advisor for more information. Academic advisors help students choose the appropriate transfer degree and/or recommend the IAI GECC based on transfer requirements.

- Credit hours are shown in parentheses in front of the course number.
- Courses with the symbol ♦ after the course name also satisfy the Diversity/Multicultural Studies requirement.
- IAI GECC course numbers are in bold to the right of the MCC course numbers and titles (e.g., C1 900). Students must make sure courses are IAI GECC articulated during the semester in which they are taken.
- Please note that your transfer school may require foreign language. It always is recommended that you complete your foreign language requirement prior to transferring.

AA Curriculum: BAC 040	**Credit Hours**	
IAI GENERAL EDUCATION CORE		
Communications (C) 3 courses A grade of C or higher is required for ENG 151 & 152.	9	**IAI Communications** (3) ENG 151 Composition I **C1 900** (3) ENG 152 Composition II **C1 901R** (3) SPE 151 Intro. to Speech **C2 900**

Humanities (H) & Fine Arts (F) 3 courses with at least 1 course from the Humanities and 1 course from the Fine Arts	9	**IAI Humanities** (3) ART 150 Hum. Through Arts **HF 900** (3) ENG 240 Intro. Shakespeare **H3 905** (3) ENG 251 Intro. to Lit. **H3 900** (3) ENG 253 World Lit. to 1650 ♦ **H3 906** (3) ENG 254 World Lit. 1650 to Present ♦ **H3 907** (3) ENG 255 British Lit. to 1800 **H3 912** (3) ENG 256 British Lit. 1800 to Present **H3 913** (3) ENG 260 Am. Lit. to 1860 **H3 914** (3) ENG 261 Am. Lit. 1860 to Present **H3 915** (3) ENG 270 Bible as Lit. **H5 901** (3) ENG 271 Grk. & Rom. Myth. **H9 901** (3) ENG 272 Non-West. Myth. ♦ **H9 901** (3) ENG 275 Women's Lit. ♦ **H3 911D** (3) ENG 276 Asian Lit. ♦ **H3 908N** (3) ENG 277 Intro. Children's Lit. ♦ **H3 918** (4) FRE 252 Inter. French II ♦ **H1 900** (4) GER 252 Inter. German II ♦ **H1 900** (3) PHI 151 Intro. to Philosophy **H4 900** (3) PHI 155 Intro. to Logic **H4 906** (3) PHI 160 Eastern Philosophy ♦ **H4903N** (3) PHI 240 Philosophy of Rel. **H4 905** (3) PHI 251 Intro. to Ethics **H4 904** (3) PHI 262 Found. Rel. Texts ♦ **H5 901** (3) PHI 261 Religions of World ♦ **H5904N** (4) SPA 252 Inter. Spanish II ♦ **H1 900**	**IAI Fine Arts** (3) ART 150 Hum. Through Arts **HF 900** (3) ART 151 Art Appreciation **F2 900** (3) ART 155 Non-Western Art ♦ **F2 903N** (3) ART 165 Ethnic Folk Art ♦ **F2 906D** (3) ART 171 Art History I ♦ **F2 901** (3) ART 172 Art History II ♦ **F2 902** (3) ART 174 Studies in Cont Art ♦ **F2 902** (3) ART 175 History of Photo. **F2 904** (3) JRN 180 Intro. to Film **F2 908** (3) MUS 151 Music Apprec. **F1 900** (3) MUS 153 Intro. Non-Western Music ♦ **F1 903N** (3) MUS 154 Intro. to Am. Music **F1 904** (3) MUS 171 Music History I **F1 901** (3) MUS 172 Music History II **F1 902** (3) THE 151 Intro. to Theatre **F1 907**
Social & Behavioral Sciences (S) 3 courses from at least 2 different departments ***Note:*** *No more than 2 geography courses in Life, Physical, and Social & Behavioral Sciences combined may be earned for general education credit.*	9	**IAI Social & Behavioral Sciences** (3) ANT 151 Intro. to Anthro. ♦ **S1 900N** (3) ANT 155 Intro. to Archaeol. ♦ **S1 903** (3) ANT 160 Intro. Phys. Anthro. **S1 902** (3) ANT 170 Intro. Cult. Anthro. ♦ **S1 901N** (3) ECO 150 Intro. Economics **S3 900** (3) ECO 251 Microeconomics **S3 902** (3) ECO 252 Macroeconomics **S3 901** (3) GEG 202 Geography of the Developed World ♦ **S4 901** (3) GEG 203 Geography of the Developing World ♦ **S4 902N** (3) GEG 204 Economic Geog. ♦ **S4 903N** (3) HIS 131 Western Civ. I ♦ **S2 902** (3) HIS 132 Western Civ. II **S2 903** (3) HIS 165 History of Latin Am. ♦ **S2 920N** (3) HIS 170 US History I ♦ **S2 900** (3) HIS 172 US History II ♦ **S2 901**	(3) PLT 150 Intro. Pol. Thought ♦ **S5 903** (3) PLT 151 US Government **S5 900** (3) PLT 155 State & Local Govt. **S5 902** (3) PLT 251 Internat'l. Relations ♦ **S5 904** (3) PLT 255 Comparative Govt. ♦ **S5 905** (3) PSY 151 Intro. to Psychology **S6 900** (3) PSY 250 Hum Dev/Life Span ♦ **S6 902** (3) PSY 251 Child Psychology ♦ **S6 903** (3) PSY 260 Intro. Gerontology ♦ **S6 905** (3) PSY 265 Social Psychology **S8 900** (3) SOC 151 Intro. to Sociology **S7 900** (3) SOC 175 Soc. of Families ♦ **S7 902** (3) SOC 251 Social Problems **S7 901** (3) SOC 260 Soc. of Race & Eth. ♦ **S7 903D** (3) SOC 261 Soc. of Sex & Gen. ♦ **S7 904D**

<table>
<tr><td>Physical (P) & Life (L) Sciences
2 courses—1 course from Physical Sciences and 1 from Life Sciences

Lab Note: The IAI code with an L at the end indicates lab (e.g., P1 903L).

Note: No more than 2 geography courses in Life, Physical, and Social & Behavioral Sciences combined may be taken for general education credit. (A lecture course and its lab are considered to be 1 course.)</td><td>7–8
Must include at least 1 lab
(See lab note)</td><td><u>IAI Physical Sciences</u>
(4) CHM 115 Chem. & Society P1 903L
(4) CHM 164 Introductory Chem. P1 902L
(5) CHM 165 General Chem. I P1 902L
(4) EAS 101 Introduction to Earth Science P1 905L
(4) EAS 120 Intro. Meteorology P1 905L
(4) EAS 180 Intro. to Astronomy P1 906L
(3) EAS 185 Natural Hazards & Disasters P1 908
(4) GEG 107 Physical Geog. P1 909L
(3) GEG 123 Energy Resources P9 900
(1) GEG 124 Energy Res. Lab P9 900L
(3) GEG 220 Global Environment P9 901
(1) GEG 221 Global Env. Lab P9 901L
(4) GEL 105 Physical Geology P1 907L
(3) GEL 110 Geol. of Nat'l Parks P1 907
(4) PHY 280 General Physics I P1 900L
(4) PHY 291 Prin. of Physics P2 900L

Note: Only one of the following courses can apply toward degree requirements:
EAS 101 or EAS 120 or EAS171
EAS 101 or EAS 171 or EAS 180
EAS 101 or EAS 170 or GEL 105</td><td><u>IAI Life Sciences</u>
(4) BIO 110 Intro. to Human Bio. L1 904L
(4) BIO 130 Env. Field Bio. L1 905L
(3) BIO 138 Heredity, Ethics & Society L1 906
(4) BIO 157 Fund. of Bio. L1 910L
(4) BIO 158 Evolution & Biodiv. L1 910L
(4) HRT 103 Plant Science L1 901L

Note: GEG 220 and GEG 221 were IAI Life Science course options prior to Summer 2016. If GEG 220/221 or GEG 220 were completed prior to Summer 2016 (with L1 905L or L1 905 IAI codes), they can satisfy the IAI Life Science requirement in this catalog.</td></tr>
<tr><td>Mathematics (M)
1 course</td><td>3</td><td><u>IAI Mathematics</u>
(3) MAT 120 Gen. Ed. Statistics M1 902
(3) MAT 150 Elements of Math. M1 904
(3) MAT 170 Finite Math. M1 906
(4) MAT 171 Calc. Bus./Soc.Sci M1 900-B
(5) MAT 175 Calc./Anal. Geo. I M1 900-1
(3) MAT 202 Math. Fdns./El.Ed.II M1 903</td><td>(5) MAT 245 Calc./Anal. Geo. II M1 900-2
(3) MAT 220 Statistics M1 902
(4) MAT 255 Calc./Anal. Geo. III M1 900-3

Note: Only one of the following courses can apply toward <u>degree</u> requirements:
MAT 171 or MAT 175
MAT 120 or MAT 220</td></tr>
<tr><td>Total IAI General Education Core</td><td>37</td><td></td></tr>
<tr><td colspan="4">ADDITIONAL DEGREE REQUIREMENTS</td></tr>
<tr><td>Diversity/Multicultural Studies (IS)
2 courses</td><td>Required</td><td colspan="2">Two courses are required. Courses that fulfill this requirement may be used to fulfill credits in Humanities/Fine Arts, Social/Behavioral Sciences, or Electives. See chart that follows for complete list of Diversity/Multicultural Studies course options and how they can apply as credits toward degree requirements (♦).</td></tr>
<tr><td>Electives
Number of courses vary

Note: Total number of elective credits must complete 60-credit-hour degree requirement.</td><td>Approx. 23 credits

Total elective credits vary</td><td colspan="2">Select elective coursework that is transferable and applicable toward intended major at your transfer college/university. It is your responsibility to work closely with an MCC academic advisor to select appropriate coursework. Courses may be selected from the following:
• those listed in MCC's academic catalog with descriptions indicating 1.1 or 1.2 Articulated
• other categories on this AA degree planning sheet
• the Diversity/Multicultural options listed below

(See Degree Notes for pairs of courses in which both courses cannot count toward degree requirements.)</td></tr>
<tr><td>Total Degree Credits</td><td>60</td><td colspan="2"></td></tr>
</table>

Diversity/Multicultural Studies Course Options:

Diversity/Multicultural Studies explores the dynamics of difference in our global and local societies. In an effort to encourage global citizenship, students will think critically about cultural, historical, and political intersections that prompt or prevent equality and justice.

Credit for these courses may count toward **Humanities, Fine Arts or Electives**

(3) ART 155 Non-Western Art ♦
(3) ART 165 Ethnic Folk Art ♦
(3) ART 171 Art History I ♦
(3) ART 172 Art History II ♦
(3) ART 174 Studies in Contemporary Art ♦
(3) ENG 253 World Lit. to 1650 ♦
(3) ENG 254 World Lit. 1650 to Present ♦
(3) ENG 272 Non-Western Myth. ♦
(3) ENG 275 Women's Lit. ♦
(3) ENG 276 Asian Lit. ♦
(3) ENG 277 Intro. to Children's Lit. ♦
(4) FRE 252 Intermediate French II ♦
(4) GER 252 Intermediate German II ♦
(3) MUS 153 Intro. to Non-Western Music ♦
(3) PHI 160 Eastern Philosophy ♦
(3) PHI 261 Religions of the World ♦
(3) PHI 262 Foundational Religious Texts ♦
(4) SPA 252 Intermediate Spanish II ♦

Credit for these courses may count toward **Social & Behavioral Sciences or Electives**

(3) ANT 151 Intro. to Anthropology ♦
(3) ANT 155 Introduction to Archaeology ♦
(3) ANT 170 Intro. to Cultural Anthro. ♦
(3) GEG 202 Geog./Developed World ♦
(3) GEG 203 Geog./Developing World ♦
(3) GEG 204 Economic Geography ♦
(3) HIS 131 Western Civ, 300BCE to 1500 ♦
(3) HIS 165 History of Latin America ♦
(3) HIS 170 United States History I ♦
(3) HIS 172 United States History II ♦
(3) PLT 150 Intro to Political Thought ♦
(3) PLT 251 International Relations ♦
(3) PSY 250 Hum Dev/Life Span ♦
(3) PSY 251 Child Psychology ♦
(3) PSY 260 Intro to Gerontology ♦
(3) SOC 175 Sociology of Families ♦
(3) SOC 260 Soc. of Race & Ethnicity ♦
(3) SOC 261 Soc. of Sex & Gender ♦

Credit for these courses may count toward **Electives**

(3) ANT 255 Archaeological Field School ♦
(3) ANT 260 Arch. Ancient Near East ♦
(3) ART 176 Fashion and Art ♦
(4) FRE 151 Elementary French I ♦
(4) FRE 152 Elementary French II ♦
(4) FRE 251 Intermediate French I ♦
(4) GER 151 Elementary German I ♦
(4) GER 152 Elementary German II ♦
(4) GER 251 Intermediate German I ♦
(3) HFE 152 Women's Health Issues ♦
(3) HFE 251 Drugs in a Contemporary Society ♦
(3) HIS 130 Ancient Civilization ♦
(3) HIS 141 Women's History ♦
(3) PHI 158 Studies About Women ♦
(3) PLT 261 Modern Latin America ♦
(3) PLT 281 Intro. to Asia ♦
(3) PSY 175 Human Sexuality ♦
(3) PSY 271 Educational Psychology ♦
(3) PSY 275 Abnormal Psychology ♦
(3) SOC 256 Sociology and Deviance ♦
(4) SPA 151 Elementary Spanish I ♦
(4) SPA 152 Elementary Spanish II ♦
(4) SPA 251 Intermediate Spanish I ♦
(3) SPA 290 Topics in Spanish ♦
(3) SPE 251 Intercultural Communication ♦

Other Graduation Requirements:

Associate in Arts Degree (AA)

- Minimum of 60 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of program
- 15 semester hours taken at MCC
- Completion of graduation application
- Completion of E-Portfolio end-of-program assessment

Degree Notes:

- The following pairs of courses have similar course content. Only one course from each pair can be used to satisfy degree requirements: EAS 101 or EAS 120 or EAS 171; EAS 101 or EAS 170 or GEL 105; EAS 101 or EAS 172 or EAS 180; MAT 120 or MAT 220; MAT 161 or MAT 165; MAT 171 or MAT 175
- No single course can be used to meet two different requirements (exception—Diversity/Multicultural Studies requirement).
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

Requirements for Associate in Science (AS) Degree

The Associate in Science degree is designed to parallel the first two years of a science-related baccalaureate degree program. Students complete freshman and sophomore level courses for majors in areas such as biology, chemistry, physics, and related professional fields. Degree requirements vary from one four-year institution to another. It is important that students work closely with an MCC academic advisor and their transfer school.

Completion of the AS degree does not fulfill the requirements of the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). Many science majors are highly structured and require extensive sequential lower-division mathematics and science courses. In order to take courses in a similar pattern to those of the freshman and sophomore students at a university, some general education courses are postponed to the junior and senior years. After transfer, students either complete the general education requirements of the transfer institution or are given the opportunity to complete the IAI GECC.

The following requirements apply to students who first enrolled for Summer 2019 or later. Students who first entered prior to Summer 2019 should contact an academic advisor for more information. Academic advisors help students choose the appropriate transfer degree and/or recommend the IAI GECC based on transfer requirements.

- Credit hours are shown in parentheses in front of the course number.
- Courses with the symbol ♦ after the course name also satisfy the Diversity/Multicultural Studies requirement.
- IAI GECC course numbers are in bold to the right of the MCC course numbers and titles (e.g., C1 900). Students must make sure courses are IAI GECC articulated during the semester in which they are taken. **The AS degree does not fulfill all requirements of the IAI GECC**. Please see an academic advisor for more information about the IAI GECC.
- Please note that your transfer school may require foreign language. It always is recommended that you complete your foreign language requirement prior to transferring.

AS Curriculum: BAC 030	Credit Hours	
Communications (C) 3 courses A grade of C or higher is required for ENG 151 & 152.	9	**IAI Communications** (3) ENG 151 Composition I **C1 900** (3) ENG 152 Composition II **C1 901R** (3) SPE 151 Intro. to Speech **C2 900**
Humanities (H) & Fine Arts (F) 2 courses with 1 course from the Humanities and 1 course from the Fine Arts	6	**IAI Humanities** Select 1 course from following: (3) ART 150 Hum. Through Arts **HF 900** (3) ENG 240 Intro. Shakespeare **H3 905** (3) ENG 251 Intro. to Lit. **H3 900** (3) ENG 253 World Lit. to 1650 ♦ **H3 906** (3) ENG 254 World Lit. 1650 to Present ♦ **H3 907** (3) ENG 255 British Lit. to 1800 **H3 912** (3) ENG 256 British Lit. 1800 to Present **H3 913** (3) ENG 260 Am. Lit. to 1860 **H3 914** (3) ENG 261 Am. Lit. 1860 to Present **H3 915** (3) ENG 270 Bible as Lit. **H5 901** (3) ENG 271 Grk. & Rom. Myth. **H9 901** (3) ENG 272 Non-West. Myth. ♦ **H9 901** (3) ENG 275 Women's Lit. ♦ **H3 911D** (3) ENG 276 Asian Lit. ♦ **H3 908N** (3) ENG 277 Intro. Children's Lit. ♦ **H3 918** (4) FRE 252 Inter. French II ♦ **H1 900** (4) GER 252 Inter. German II ♦ **H1 900** (3) PHI 151 Intro. to Philosophy **H4 900** (3) PHI 155 Intro. to Logic **H4 906** (3) PHI 160 Eastern Philosophy ♦ **H4 903N** (3) PHI 240 Philosophy of Rel. **H4 905** **IAI Humanities cont'd.** (3) PHI 251 Intro. to Ethics **H4 904** (3) PHI 262 Found. Rel. Texts ♦ **H5 901** (3) PHI 261 Religions of World ♦ **H5 904N** (4) SPA 252 Inter. Spanish II ♦ **H1 900** **IAI Fine Arts** Select 1 course from following: (3) ART 150 Hum. Through Arts **HF 900** (3) ART 151 Art Appreciation **F2 900** (3) ART 155 Non-Western Art ♦ **F2 903N** (3) ART 165 Ethnic Folk Art ♦ **F2 906D** (3) ART 171 Art History I ♦ **F2 901** (3) ART 172 Art History II ♦ **F2 902** (3) ART 174 Studies in Cont Art ♦ **F2 902** (3) ART 175 History of Photo. **F2 904** (3) JRN 180 Intro. to Film **F2 908** (3) MUS 151 Music Apprec. **F1 900** (3) MUS 153 Intro. Non-Western Music ♦ **F1 903N** (3) MUS 154 Intro. to Am. Music **F1 904** (3) MUS 171 Music History I **F1 901** (3) MUS 172 Music History II **F1 902** (3) THE 151 Intro. to Theatre **F1 907**

<table>
<tr>
<td>Social & Behavioral Sciences (S)
2 courses from at least 2 different departments</td>
<td>6</td>
<td><u>IAI Social & Behavioral Sciences</u>
(3) ANT 151 Intro. to Anthro. ♦ S1 900N
(3) ANT 155 Intro. to Archaeol. ♦ S1 903
(3) ANT 160 Intro. Phys. Anthro. S1 902
(3) ANT 170 Intro. Cult. Anthro. ♦ S1 901N
(3) ECO 150 Intro. Economics S3 900
(3) ECO 251 Microeconomics S3 902
(3) ECO 252 Macroeconomics S3 901
(3) GEG 202 Geography of the Developed World ♦ S4 901
(3) GEG 203 Geography of the Developing World ♦ S4 902N
(3) GEG 204 Economic Geog. ♦ S4 903N
(3) HIS 131 Western Civ. I ♦ S2 902
(3) HIS 132 Western Civ. II S2 903
(3) HIS 165 History of Latin Am. ♦ S2 920N
(3) HIS 170 US History I ♦ S2 900
(3) HIS 172 US History II ♦ S2 901
(3) PLT 150 Intro. Pol. Thought ♦ S5 903
(3) PLT 151 US Government S5 900
(3) PLT 155 State & Local Govt. S5 902
(3) PLT 251 Internat'l. Relations ♦ S5 904
(3) PLT 255 Comparative Govt. ♦ S5 905
(3) PSY 151 Intro. to Psychology S6 900
(3) PSY 250 Hum Dev/Life Span ♦ S6 902
(3) PSY 251 Child Psychology ♦ S6 903
(3) PSY 260 Intro. Gerontology ♦ S6 905
(3) PSY 265 Social Psychology S8 900
(3) SOC 151 Intro. to Sociology S7 900
(3) SOC 175 Soc. of Families ♦ S7 902
(3) SOC 251 Social Problems S7 901
(3) SOC 260 Soc. of Race & Eth. ♦ S7 903D
(3) SOC 261 Soc. of Sex & Gen. ♦ S7 904D</td>
<td></td>
</tr>
<tr>
<td>Physical (P) & Life (L) Sciences
Minimum 3 courses

1 IAI Physical Sciences w/ lab, 1 IAI Life Sciences w/lab and 1 from the additional science course list</td>
<td>Minimum 11 Credits</td>
<td><u>IAI Physical Sciences with Lab</u>
Select minimum of 1 course from following:
(4) CHM 115 Chem. & Society P1 903L
(4) CHM 164 Introductory Chem. P1 902L
(5) CHM 165 General Chem. I P1 902L
(4) EAS 101 Introduction to Earth Science P1 905L
(4) EAS 120 Intro. Meteorology P1 905L
(4) EAS 180 Intro. to Astronomy P1 906L
(4) GEG 107 Physical Geog. P1 909L
(3) GEG 123 Energy Resources P9 900
(1) GEG 124 Energy Res. Lab P9 900L
(3) GEG 220 Global Env. P9 901
(1) GEG 221 Global Env. Lab P9 901L
(4) GEL 105 Physical Geology P1 907L
(4) PHY 280 General Physics I P1 900L
(4) PHY 291 Prin. of Physics P2 900L</td>
<td><u>IAI Life Sciences with Lab</u>
Select minimum of 1 course from following:
(4) BIO 110 Intro. to Human Bio. L1 904L
(4) BIO 130 Env. Field Bio. L1 905L
(4) BIO 157 Fund. of Bio. L1 910L
(4) BIO 158 Evolution & Biodiv. L1 910L
(4) HRT 103 Plant Science L1 901L

<u>Additional Science Course</u>
Select 1 course from following prefixes and numbers:
BIO; CHM; EAS; GEG107, 123, 124, 220, 221; GEL; HRT103, 105; PHY

Note: Only one of the following courses can apply toward degree requirements:
EAS 101 or EAS 120 or EAS171
EAS 101 or EAS 171 or EAS 180
EAS 101 or EAS 170 or GEL 105

Note: GEG 220 and GEG 221 were IAI Life Science course options prior to Summer 2016. If GEG 220 and GEG 221 were completed prior to Summer 2016 (with L1 905/L IAI code), they can satisfy the IAI Life Science requirement in this catalog.</td>
</tr>
<tr>
<td>Mathematics (M)
Minimum 2 courses

Note: At least 1 course must be from the IAI Mathematics List</td>
<td>Minimum 6 Credits</td>
<td><u>IAI Mathematics</u>
Select minimum of 1 course from following:
(3) MAT 120 Gen. Ed. Statistics M1 902
(3) MAT 150 Elements of Math. M1 904
(3) MAT 170 Finite Math. M1 906
(4) MAT 171 Calc. Bus./Soc.Sci M1 900-B
(5) MAT 175 Calc./Anal. Geo. I M1 900-1
(3) MAT 202 Math. Fdns./El.Ed.II M1 903
(5) MAT 245 Calc./Anal. Geo. II M1 900-2
(3) MAT 220 Statistics M1 902
(4) MAT 255 Calc./Anal. Geo. III M1 900-3</td>
<td><u>Additional Mathematics Course List</u>
Select 1 course from this list or from the IAI Mathematics list:
(3) MAT 161 College Algebra
(5) MAT 165 College Algebra with Trig.
(3) MAT 201 Math. Fdns./El. Ed. I
(4) MAT 253 Linear Algebra
(3) MAT 260 Differential Equations

Note: Only one of the following courses can apply toward <u>degree</u> requirements:
MAT 161 or MAT 165
MAT 171 or MAT 175
MAT 120 or MAT 220</td>
</tr>
</table>

Diversity/Multicultural Studies (IS) 1 course	Required	One course is required. The course that fulfills this requirement may be used to fulfill credits in Humanities/Fine Arts, Social/Behavioral Sciences, or Electives. See chart below for complete list of Diversity/Multicultural Studies course options and how they can apply as credits toward degree requirements (♦).
Electives Number of courses vary ***Note:*** *Total number of elective credits must complete 60-credit-hour degree requirement.*	Approx. 22 credits Total elective credits vary	**Select elective coursework that is transferable and applicable toward intended major at your transfer college/university.** It is your responsibility to work closely with an MCC academic advisor to select appropriate coursework. Courses may be selected from the following: • those listed in MCC's academic catalog with descriptions indicating 1.1 or 1.2 Articulated • other categories on this AS degree planning sheet • the Diversity/Multicultural options listed below (See **Degree Notes** for pairs of courses in which both courses cannot count toward degree requirements.)
Total Degree Credits	60	

Diversity/Multicultural Studies Course Options:
Diversity/Multicultural Studies explores the dynamics of difference in our global and local societies. In an effort to encourage global citizenship, students will think critically about cultural, historical, and political intersections that prompt or prevent equality and justice.

Credit for these courses may count toward **Humanities, Fine Arts or Electives**

(3) ART 155 Non-Western Art ♦
(3) ART 165 Ethnic Folk Art ♦
(3) ART 171 Art History I ♦
(3) ART 172 Art History II ♦
(3) ART 174 Studies in Contemporary Art ♦
(3) ENG 253 World Lit. to 1650 ♦
(3) ENG 254 World Lit. 1650 to Present ♦
(3) ENG 272 Non-Western Myth. ♦
(3) ENG 275 Women's Lit. ♦
(3) ENG 276 Asian Lit. ♦
(3) ENG 277 Intro. to Children's Lit. ♦
(4) FRE 252 Intermediate French II ♦
(4) GER 252 Intermediate German II ♦
(3) MUS 153 Intro. to Non-Western Music ♦
(3) PHI 160 Eastern Philosophy ♦
(3) PHI 261 Religions of the World ♦
(3) PHI 262 Foundational Religious Texts ♦
(4) SPA 252 Intermediate Spanish II ♦

Credit for these courses may count toward **Social & Behavioral Sciences or Electives**

(3) ANT 151 Intro. to Anthropology ♦
(3) ANT 155 Introduction to Archaeology ♦
(3) ANT 170 Intro. to Cultural Anthro. ♦
(3) GEG 202 Geog./Developed World ♦
(3) GEG 203 Geog./Developing World ♦
(3) GEG 204 Economic Geography ♦
(3) HIS 131 Western Civ. 300BCE to 1500 ♦
(3) HIS 165 History of Latin America ♦
(3) HIS 170 United States History I ♦
(3) HIS 172 United States History II ♦
(3) PLT 150 Intro. to Political Thought ♦
(3) PLT 251 International Relations ♦
(3) PLT 255 Comparative Government ♦
(3) PSY 250 Hum Dev/Life Span ♦
(3) PSY 251 Child Psychology ♦
(3) PSY 260 Intro to Gerontology ♦
(3) SOC 175 Sociology of Families ♦
(3) SOC 260 Soc. of Race & Ethnicity ♦
(3) SOC 261 Soc. of Sex & Gender ♦

Credit for these courses may count toward **Electives**

(3) ANT 255 Archaeological Field School ♦
(3) ANT 260 Arch. Ancient Near East ♦
(3) ART 176 Fashion and Art ♦
(4) FRE 151 Elementary French I ♦
(4) FRE 152 Elementary French II ♦
(4) FRE 251 Intermediate French I ♦
(4) GER 151 Elementary German I ♦
(4) GER 152 Elementary German II ♦
(4) GER 251 Intermediate German I ♦
(3) HFE 152 Women's Health Issues ♦
(3) HFE 251 Drugs in a Contemporary Society ♦
(3) HIS 130 Ancient Civilization ♦
(3) HIS 141 Women's History ♦
(3) PHI 158 Studies About Women ♦
(3) PLT 261 Modern Latin America ♦
(3) PLT 281 Intro. to Asia ♦
(3) PSY 175 Human Sexuality ♦
(3) PSY 271 Educational Psychology ♦
(3) PSY 275 Abnormal Psychology ♦
(3) SOC 256 Sociology of Deviance ♦
(4) SPA 151 Elementary Spanish I ♦
(4) SPA 152 Elementary Spanish II ♦
(4) SPA 251 Intermediate Spanish I ♦
(3) SPA 290 Topics in Spanish ♦
(3) SPE 251 Intercultural Communication ♦

Other Graduation Requirements:

Associate in Science Degree (AS)

- Minimum of 60 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of program
- 15 semester hours taken at MCC
- Completion of graduation application
- Completion of E-Portfolio end-of-program assessment

Degree Notes:

- The following pairs of courses have similar course content. Only one course from each pair can be used to satisfy degree requirements: EAS 101 or EAS120 or EAS171; EAS 101 or EAS170 or GEL105; EAS 101 or EAS172 or EAS180; MAT120 or MAT220; MAT161 or MAT165; MAT171 or MAT175
- No single course can be used to meet two different requirements (exception—Diversity/Multicultural Studies requirement).
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

Requirements for Associate in Engineering Science (AES) Degree

The Associate in Engineering Science degree allows pre-engineering students to complete a significant portion of lower-level baccalaureate degree coursework prior to transfer. Baccalaureate engineering programs are highly structured and require extensive, sequential mathematics and science courses at the lower level. Completion of the AES degree does not fulfill the requirements of the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). In order to take courses in a similar pattern to those of the freshman and sophomore engineering students at a university, some general education courses are postponed to the junior and senior years. After transfer, students either complete the general education requirements of the transfer institution or are given the opportunity to complete the IAI GECC. Engineering programs vary from one institution to another. It is important that students work closely with an MCC academic advisor and their transfer school.

The following requirements apply to students who first enrolled for Summer 2019 or later. Students who first enrolled prior to Summer 2019 should contact an academic advisor for more information.

- Credit hours are shown in parentheses in front of the course number.
- IAI GECC and Baccalaureate Major course numbers are in bold to the right of the MCC course numbers and titles (e.g., C1 900, EGR 941). Please see an academic advisor for more information about the IAI GECC.

Curriculum: BAC 050	**Credit Hours**				
Communications (C) 2 courses A grade of C or higher is required for ENG 151 and 152.	6	(3) ENG 151 Composition I (3) ENG 152 Composition II	**C1 900** **C1 901 R**		
Humanities (H) & Fine Arts (F) 1-2 courses	3-6	**Humanities**		**Fine Arts**	
		(3) ART 150 Hum. Through Arts	**HF 900**	(3) ART 150 Hum. Through Arts	**HF 900**
		(3) ENG 240 Intro. Shakespeare	**H3 905**	(3) ART 151 Art Appreciation	**F2 900**
		(3) ENG 251 Intro. to Lit.	**H3 900**	(3) ART 155 Non-Western Art	**F2 903N**
		(3) ENG 253 World Lit. to 1650	**H3 906**	(3) ART 165 Ethnic Folk Art	**F2 906D**
		(3) ENG 254 World Lit. 1650 to Pres.	**H3 907**	(3) ART 171 Art Hist. I (3) ART 172 Art Hist. II	**F2 901** **F2 902**
		(3) ENG 255 British Lit. to 1800	**H3 912**	(3) ART 174 Studies in Contemporary Art	**F2 902**
		(3) ENG 256 British Lit. 1800 to Pres.	**H3 913**	(3) ART 175 Hist. of Photography	**F2 904**
		(3) ENG 260 Amer. Lit. to 1860	**H3 914**	(3) JRN 180 Intro. to Film	**F2 908**
		(3) ENG 261 Amer. Lit. 1860 to Pres.	**H3 915**	(3) MUS 151 Music Appreciation (3) MUS 153 Intro. Non-West. Mus.	**F1 900** **F1 903N**
		(3) ENG 270 Bible as Lit.	**H5 901**	(3) MUS 154 Intro. to Am. Music	**F1 904**
		(3) ENG 271 Grk. & Rom. Myth.	**H9 901**	(3) MUS 171 Music Hist. I	**F1 901**
		(3) ENG 272 Non-Western Myth.	**H9 901**	(3) MUS 172 Music Hist. II	**F1 902**
		(3) ENG 275 Women's Lit.	**H3 911D**	(3) THE 151 Intro. to Theatre	**F1 907**
		(3) ENG 276 Asian Lit.	**H3 908N**		
		(3) ENG 277 Intro. to Children's Literature	**H3 918**		
		(4) FRE 252 Inter. French II	**H1 900**		
		(4) GER 252 Inter. German II	**H1 900**		
		(3) PHI 151 Intro. to Philosophy	**H4 900**		
		(3) PHI 155 Intro. to Logic	**H4 906**		
		(3) PHI 160 Eastern Philosophy	**H4 903N**		
		(3) PHI 240 Philosophy of Religion	**H4 905**		
		(3) PHI 251 Intro. to Ethics	**H4 904**		
		(3) PHI 261 Religions of World	**H5 904N**		
		(3) PHI 262 Found. Rel. Texts	**H5 901**		
		(4) SPA 252 Inter. Spanish II	**H1 900**		

Social & Behavioral Sciences (S) 1-2 courses ECO 251 generally is required for industrial engineering majors and recommended for other engineering specialties.	3-6	(3) ANT 151 Intro. to Anthropology (3) ANT 155 Intro. to Archaeology (3) ANT 160 Intro. Phys. Anthro. (3) ANT 170 Intro. Cult. Antho. (3) ECO 150 Intro. Economics (3) ECO 251 Microeconomics (3) ECO 252 Macroeconomics (3) GEG 202 Geography of the Developed World (3) GEG 203 Geography of the Developing World (3) GEG 204 Economic Geog. (3) HIS 131 Western Civ. I (3) HIS 132 Western Civ. II (3) HIS 165 History of Latin Am. (3) HIS 170 U. S. History I	**S1 900N** **S1 903** **S1 902** **S1 901N** **S3 900** **S3 902** **S3 901** **S4 901** **S4 902N** **S4 903N** **S2 902** **S2 903** **S2 920N** **S2 900**	(3) HIS 172 U. S. History II (3) PLT 150 Intro. Pol. Thought (3) PLT 151 U. S. Government (3) PLT 155 State & Local Govt. (3) PLT 251 Internat'l. Relations (3) PLT 255 Comparative Govt. (3) PSY 151 Intro. to Psychology (3) PSY 250 Hum. Dev./Life Span (3) PSY 251 Child Psychology (3) PSY 260 Intro. to Gerontology (3) PSY 265 Social Psychology (3) SOC 151 Intro. to Sociology (3) SOC 175 Soc. of Families (3) SOC 251 Social Problems (3) SOC 260 Soc. of Race & Eth. (3) SOC 261 Soc. of Sex & Gender	**S2 901** **S5 903** **S5 900** **S5 902** **S5 904** **S5 905** **S6 900** **S6 902** **S6 903** **S6 905** **S8 900** **S7 900** **S7 902** **S7 901** **S7 903D** **S7 904D**
Non-Western Cultures or Minority Cultures within the United States Note: One Non-Western/ Minority Cultures course is required. The course that satisfies this requirement may be used to satisfy credits in Humanities/Fine Arts or Social/Behavioral Sciences. Select from courses with an "N" or "D" noted after the IAI code.	0-3	(3) ANT 151 Intro. to Anthro. (3) ART 155 Non-Western Art (3) ART 165 Ethnic Folk Art (3) ANT 170 Intro. to Cultural Anthro. (3) ENG 275 Women's Lit. (3) ENG 276 Asian Lit. (3) GEG 203 Geog./Dev. World	**S1 900N** **F2 903N** **F2 906D** **S1 901N** **H3 911D** **H3 908N** **S4 902N**	(3) GEG 204 Economic Geography (3) HIS 165 History of Latin Am. (3) MUS 153 Intro. Non-West. Mus. (3) PHI 160 Eastern Philosophy (3) PHI 261 Religions of the World (3) SOC 260 Soc. of Race & Eth. (3) SOC 261 Soc. of Sex & Gender	**S4 903N** **S2 920N** **F1 903N** **H4 903N** **H5 904N** **S7 903D** **S7 904D**
Science 3 courses	13	(5) CHM 165 General Chem. I (4) PHY 291 Princ. of Physics I (4) PHY 292 Princ. of Physics II	**P1 902L, CHM 911** **P2 900L, PHY 911** **PHY 913**		
Mathematics 4 courses	17	(5) MAT 175 Calc./Anal. Geo.I (5) MAT 245 Calc./Anal. Geo.II (4) MAT 255 Calc./Anal. Geo. III (3) MAT 260 Differential Equations	**M1 900-1, MTH 901** **M1 900-2, MTH 902** **M1 900-3, MTH 903** **MTH 912**		
Computer Science	4	(4) CSC 121 Computer Science I	**CS 911**		
Engineering Specialty	6-22	(4) BIO 157 Fundamentals of Biology (5) CHM 166 General Chemistry II (5) CHM 265 Organic Chemistry I (5) CHM 266 Organic Chemistry II (4) CSC 122 Computer Science II	 **CHM 912** **CHM 913** **CHM 914** **CS 912**	(4) EGR 151 Engineering Graphics (3) EGR 251 Statics (3) EGR 252 Dynamics (4) EGR 260 Circuit Analysis (3) MAT 253 Linear Algebra (4) PHY 293 Princ. of Physics III (2) PHY 294 Thermal Physics	**EGR 941** **EGR 942** **EGR 943** **EGR 931L** **PHY 914**
Total Degree Requirements	60-68				

The IAI Engineering Advisory Committee recommends the following engineering specialty courses for students who are undecided about their baccalaureate transfer institution. Baccalaureate engineering programs vary from one institution to another, so it is important to identify potential transfer institutions early and to follow their catalogs carefully for required courses. Students should meet with an MCC academic advisor for guidance to avoid taking unnecessary or redundant courses.

Civil/Mechanical/Industrial	**Chemical Engineering**	**Computer Engineering**	**Electrical Engineering**
EGR 151 Eng. Graphics	CHM 166 Gen. Chem. II	CSC 121 Comp. Science I	EGR 260 Circuit Analysis
EGR 251 Statics	CHM 265 Organic Chem. I	CSC 122 Comp. Science II	CSC 121 & 122 Comp. Sci. I & II
EGR 252 Dynamics	CHM 266 Organic Chem. II	EGR 260 Circuit Analysis	

Other AES Graduation Requirements:

- Total of 60-68 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of degree
- 15 semester hours taken at MCC
- Completion of E-Portfolio end-of-program assessment
- Completion of graduation application

Degree Notes:

- No single course can be used to meet two different requirements (excluding Non-Western and Minority Cultures).
- Baccalaureate engineering programs vary. Consult the catalog of the intended transfer institution for required courses. To meet baccalaureate prerequisites, students can request a course substitution approval for an AES degree requirement. Please see an academic advisor for course selection.
- It is recommended that course sequences be completed at MCC before transferring, since topics are covered in different orders by different schools.
- Students should contact their transfer school as soon as possible for evaluation of their MCC credits.
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

Requirements for the Associate in Fine Arts (AFA) Degree—Art Option

The Associate in Fine Arts degree allows students to complete a significant number of lower-division courses toward a Bachelor of Fine Arts degree. BFA programs are highly structured and require many sequential courses in the major field at the lower-level. As a result, the AFA degree does not include the entire IAI General Education Core Curriculum (IAI GECC). This means that students who earn an AFA degree must complete the general education requirements for the bachelor's degree at their transfer school. It is important that students work closely with an MCC academic advisor and their transfer school.

The following requirements apply to students who first enrolled for Summer 2019 or later. Students who first enrolled prior to Summer 2019 should contact an academic advisor for more information.

- Credit hours are shown in parentheses in front of the course number.
- IAI GECC course numbers are in bold (e.g., C1 900). Students must make sure courses are IAI GECC articulated during the semester in which they are taken. Please see an academic advisor for more information about the IAI GECC.

Curriculum: BAC 060	**Credit Hours**				
Communications (C) 3 courses A grade of C or higher is required for ENG 151 and 152	9	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro. to Speech	**C1 900** **C1 901R** **C2 900**		
Humanities (H) 2 courses	6	**Humanities**			
		(3) ART 150 Hum. Through Arts	**HF 900**	(4) FRE 252 Inter. French II	**H1 900**
		(3) ENG 240 Intro. Shakespeare	**H3 905**	(4) GER 252 Inter. German II	**H1 900**
		(3) ENG 251 Intro. to Lit.	**H3 900**	(3) PHI 151 Intro. to Philosophy	**H4 900**
		(3) ENG 253 World Lit. to 1650	**H3 906**	(3) PHI 155 Intro. to Logic	**H4 906**
		(3) ENG 254 World Lit. 1650 to Pres.	**H3 907**	(3) PHI 160 Eastern Philosophy	**H4 903N**
		(3) ENG 255 British Lit. to 1800	**H3 912**	(3) PHI 240 Philosophy of Religion	**H4 905**
		(3) ENG 256 British Lit. 1800 to Pres.	**H3 913**	(3) PHI 251 Intro. to Ethics	**H4 904**
		(3) ENG 260 Amer. Lit. to 1860	**H3 914**	(3) PHI 261 Religions of World	**H5 904N**
		(3) ENG 261 Amer. Lit. 1860 to Pres.	**H3 915**	(3) PHI 262 Found. Rel. Texts (4) SPA 252 Inter. Spanish II	**H5 901** **H1 900**
		(3) ENG 270 Bible as Lit.	**H5 901**		
		(3) ENG 271 Grk. & Rom. Myth.	**H9 901**		
		(3) ENG 272 Non-Western Myth.	**H9 901**		
		(3) ENG 275 Women's Lit.	**H3 911D**		
		(3) ENG 276 Asian Lit.	**H3 908N**		
		(3) ENG 277 Intro. to Children's Literature	**H3 918**		

Physical (P) & Life (L) Sciences 2 courses 1 course from the Physical Sciences and 1 course from the Life Sciences, with at least 1 including a lab	7	**Physical Sciences** (4) CHM 115 Chem. & Society **P1 903L** (4) CHM 164 Intro. Chem. **P1 902L** (5) CHM 165 General Chem. I **P1 902L** (4) EAS 101 Introduction to Earth Science **P1 905L** (4) EAS 120 Intro. Meteorology **P1 905L** (4) EAS 180 Intro. to Astronomy **P1 906L** (3) EAS 185 Nat'l. Hazards & Dis. **P1 908** (4) GEG 107 Physical Geography **P1 909L** (3) GEG 123 Energy Resources **P9 900** (1) GEG 124 Energy Resources Lab **P9 900L** (3) GEG 220 Global Environment **P9 901** (1) GEG 221 Global Environment Lab **P9 901L** (4) GEL 105 Physical Geology **P1 907L** (3) GEL 110 Geology of the National Parks **P1 907** (4) PHY 280 General Physics I **P1 900L** (4) PHY 291 Prin. of Physics **P2 900L**	**Life Sciences** (4) BIO 110 Intro. to Human Biology **L1 904L** (4) BIO 130 Env. Field Biology **L1 905L** (3) BIO 138 Heredity, Ethics & Society **L1 906** (4) BIO 157 Fundamentals of Biology **L1 910L** (4) BIO 158 Evolution & Biodiversity **L1 910L** (4) HRT 103 Plant Science **L1 901L** ***Note: GEG 220 and GEG 221 were IAI Life Science course options prior to Summer 2016. If GEG 220/221 or GEG 220 were completed prior to Summer 2016 (with L1 905L or L1 905 IAI codes), they can satisfy the IAI Life Science requirement in this catalog.***
Social & Behavioral Sciences (S) 2 courses from 2 different departments	6	(3) ANT 151 Intro. to Anthropology **S1 900N** (3) ANT 155 Intro. to Archaeology **S1 903** (3) ANT 160 Intro. Phys. Anthropology **S1 902** (3) ANT 170 Intro. Cult. Anthropology **S1 901N** (3) ECO 150 Intro. Economics **S3 900** (3) ECO 251 Microeconomics **S3 902** (3) ECO 252 Macroeconomics **S3 901** (3) GEG 202 Geography of the Developed World **S4 901** (3) GEG 203 Geography of the Developing World **S4 902N** (3) GEG 204 Economic Geog. **S4 903N** (3) HIS 131 Western Civ. I **S2 902** (3) HIS 132 Western Civ. II **S2 903** (3) HIS 165 History of Latin Am. **S2 920N** (3) HIS 170 U. S. History I **S2 900**	(3) HIS 172 U. S. History II **S2 901** (3) PLT 150 Intro. Pol. Thought **S5 903** (3) PLT 151 U. S. Government **S5 900** (3) PLT 155 State & Local Govt. **S5 902** (3) PLT 251 Internat'l. Relations **S5 904** (3) PLT 255 Comparative Govt. **S5 905** (3) PSY 151 Intro. to Psychology **S6 900** (3) PSY 250 Hum. Dev./Life Span **S6 902** (3) PSY 251 Child Psychology **S6 903** (3) PSY 260 Intro. to Gerontology **S6 905** (3) PSY 265 Social Psychology **S8 900** (3) SOC 151 Intro. to Sociology **S7 900** (3) SOC 175 Soc. of Families **S7 902** (3) SOC 251 Social Problems **S7 901** (3) SOC 260 Soc. of Race & Eth. **S7 903D** (3) SOC 261 Soc. of Sex & Gender **S7 904D**
Mathematics (M) 1 course	3	(3) MAT 120 Gen. Ed. Statistics **M1 902** (3) MAT 150 Elements of Math. **M1 904** (3) MAT 170 Finite Math. **M1 906** (4) MAT 171 Calc. Bus./Soc. Sci. **M1 900-B** (5) MAT 175 Calc./Anal. Geo. I **M1 900-1**	(3) MAT 202 Math. Fdns./El. Ed.II **M1 903** (3) MAT 220 Statistics **M1 902** (5) MAT 245 Calc./Anal. Geo. II **M1 900-2** (4) MAT 255 Calc./Anal. Geo. III **M1 900-3**
Art Core 7 courses	21	(3) ART 153 2D Design (3) ART 156 Drawing I (3) ART 157 Drawing II (3) ART 158 Life Drawing	(3) ART 171 Art History I (3) ART 172 Art History II (3) ART 253 3D Design
Art Studio Electives 3 courses Must include 3 separate studio art courses from at least 2 different media.	9	(3) ART 159 Introduction to Printmaking (3) ART 160 Painting I (3) ART/GRA 167 Graphic Design I (3) ART/DGM 168 Computer Art I (3) ART 180 Sculpture I (3) ART 184 Jewelry/Metals I (3) ART 185 Fibers I (3) ART 186 Jewelry/Metals II (3) ART 241 Darkroom Photography I	(3) ART 242 Darkroom Photography II (3) ART 250 Digital Photography I (3) ART 252 Digital Photography II (3) ART 258 Life Drawing II (3) ART 261 Painting II (3) ART 271 Ceramics I (3) ART 272 Ceramics II (3) ART 280 Sculpture II (3) GRA 267 Graphic Design II
Total Degree Requirements	61		

Other AFA – Art Graduation Requirements:

- Total of 61 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of degree
- 15 semester hours taken at MCC
- Completion of E-Portfolio end-of-program assessment
- Completion of graduation application

Degree Notes:

- No single course can be used to meet two different requirements.
- Students who are interested in majoring in art should contact an MCC academic advisor before selecting a transfer program.
- Students should contact their transfer school as soon as possible for evaluation of their MCC credits.
- Many schools require a portfolio review for admission to a BFA program and for transfer of studio art courses.
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

Requirements for the Associate in Fine Arts (AFA) Degree—Music Option

The Associate in Fine Arts degree allows students to complete a significant number of lower-division courses toward a Bachelor of Fine Arts degree. BFA programs are highly structured and require many sequential courses in the major field at the lower-level. As a result, the AFA degree does not include the entire IAI General Education Core Curriculum (IAI GECC). This means that students who earn an AFA degree must complete the general education requirements for the bachelor's degree at their transfer school. It is important that students work closely with an MCC academic advisor and their transfer school.

The following requirements apply to students who first enrolled for Summer 2019 or later. Students who first enrolled prior to Summer 2019 should contact an academic advisor for more information.

- Credit hours are shown in parentheses in front of the course number.
- IAI GECC course numbers are in bold (e.g., C1 900). Students must make sure courses are IAI GECC articulated during the semester in which they are taken. Please see an academic advisor for more information about IAI course equivalencies.

Curriculum: BAC 070	**Credit Hours**				
Communications (C) 3 courses A grade of C or higher is required for ENG 151 and 152.	9	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro. to Speech	**C1 900** **C1 901 R** **C2 900**		
Humanities (H) 2 courses	6	**Humanities**			
		(3) ART 150 Hum. Through Arts	**HF 900**	(4) FRE 252 Inter. French II	**H1 900**
		(3) ENG 240 Intro. Shakespeare	**H3 905**	(4) GER 252 Inter. German II	**H1 900**
		(3) ENG 251 Intro. to Lit.	**H3 900**	(3) PHI 151 Intro. to Philosophy	**H4 900**
		(3) ENG 253 World Lit. to 1650	**H3 906**	(3) PHI 155 Intro. to Logic	**H4 906**
		(3) ENG 254 World Lit. 1650 to Pres.	**H3 907**	(3) PHI 160 Eastern Philosophy	**H4 903N**
		(3) ENG 255 British Lit. to 1800	**H3 912**	(3) PHI 240 Philosophy of Religion	**H4 905**
		(3) ENG 256 British Lit. 1800 to Pres.	**H3 913**	(3) PHI 251 Intro. to Ethics	**H4 904**
		(3) ENG 260 Amer. Lit. to 1860	**H3 914**	(3) PHI 261 Religions of World	**H5 904N**
		(3) ENG 261 Amer. Lit. 1860 to Pres.	**H3 915**	(3) PHI 262 Found. Rel. Texts (4) SPA 252 Inter. Spanish II	**H5 901** **H1 900**
		(3) ENG 270 Bible as Lit.	**H5 901**		
		(3) ENG 271 Grk. & Rom. Myth.	**H9 901**		
		(3) ENG 272 Non-Western Myth.	**H9 901**		
		(3) ENG 275 Women's Lit.	**H3 911D**		
		(3) ENG 276 Asian Lit.	**H3 908N**		
		(3) ENG 277 Intro. to Children's Literature	**H3 918**		

Physical (P) & Life (L) Sciences 2 courses 1 course from the Physical Sciences and 1 course from the Life Sciences, with at least 1 including a lab	7	**Physical Sciences** (4) CHM 115 Chem. & Society **P1 903L** (4) CHM 164 Intro. Chem. **P1 902L** (5) CHM 165 General Chem. I **P1 902L** (4) EAS 101 Introduction to Earth Science **P1 905L** (4) EAS 120 Intro. Meteorology **P1 905L** (4) EAS 180 Intro. to Astronomy **P1 906L** (3) EAS 185 Nat'l. Hazards & Dis. **P1 908** (4) GEG 107 Physical Geography **P1 909L** (3) GEG 123 Energy Resources **P9 900** (1) GEG 124 Energy Resources Lab **P9 900L** (3) GEG 220 Global Environment **P9 901** (1) GEG 221 Global Environment Lab **P9 901L** (4) GEL 105 Physical Geology **P1 907L** (3) GEL 110 Geology of the National Parks **P1 907** (4) PHY 280 General Physics I **P1 900L** (4) PHY 291 Prin. of Physics **P2 900L**	**Life Sciences** (4) BIO 110 Intro. to Human Biology **L1 904L** (4) BIO 130 Env. Field Biology **L1 905L** (3) BIO 138 Heredity, Ethics & Society **L1 906** (4) BIO 157 Fundamentals of Biology **L1 910L** (4) BIO 158 Evolution & Biodiversity **L1 910L** (4) HRT 103 Plant Science **L1 901L** ***Note: GEG 220 and GEG 221 were IAI Life Science course options prior to Summer 2016. If GEG 220/221 or GEG 220 were completed prior to Summer 2016 (with L1 905L or L1 905 IAI codes), they can satisfy the IAI Life Science requirement in this catalog.***
Social and Behavioral Sciences (S) 1 course	3	(3) ANT 151 Intro. to Anthropology **S1 900N** (3) ANT 155 Intro. to Archaeology **S1 903** (3) ANT 160 Intro. Phys. Anthropology **S1 902** (3) ANT 170 Intro. Cult. Anthropology **S1 901N** (3) ECO 150 Intro. Economics **S3 900** (3) ECO 251 Microeconomics **S3 902** (3) ECO 252 Macroeconomics **S3 901** (3) GEG 202 Geography of the Developed World **S4 901** (3) GEG 203 Geography of the Developing World **S4 902N** (3) GEG 204 Economic Geography **S4 903N** (3) HIS 131 Western Civ. I **S2 902** (3) HIS 132 Western Civ. II **S2 903** (3) HIS 165 History of Latin Am. **S2 920N** (3) HIS 170 U. S. History I **S2 900**	(3) HIS 172 U. S. History II **S2 901** (3) PLT 150 Intro. Pol. Thought **S5 903** (3) PLT 151 U. S. Government **S5 900** (3) PLT 155 State & Local Govt. **S5 902** (3) PLT 251 Internat'l. Relations **S5 904** (3) PLT 255 Comparative Govt. **S5 905** (3) PSY 151 Intro. to Psychology **S6 900** (3) PSY 250 Hum. Dev./Life Span **S6 902** (3) PSY 251 Child Psychology **S6 903** (3) PSY 260 Intro. to Gerontology **S6 905** (3) PSY 265 Social Psychology **S8 900** (3) SOC 151 Intro. to Sociology **S7 900** (3) SOC 175 Soc. of Families **S7 902** (3) SOC 251 Social Problems **S7 901** (3) SOC 260 Soc. of Race & Eth. **S7 903D** (3) SOC 261 Soc. of Sex & Gender **S7 904D**
Mathematics (M) 1 course	3	(3) MAT 120 Gen. Ed. Statistics **M1 902** (3) MAT 150 Elements of Math. **M1 904** (3) MAT 170 Finite Math. **M1 906** (4) MAT 171 Calc. Bus./Soc. Sci. **M1 900-B** (5) MAT 175 Calc./Anal. Geo. I **M1 900-1**	(3) MAT 202 Math. Fdns./El.Ed.II **M1 903** (3) MAT 220 Statistics **M1 902** (5) MAT 245 Calc./Anal. Geo. II **M1 900-2** (4) MAT 255 Calc./Anal. Geo. III **M1 900-3**
Music Core 10 courses	26	(3) MUS 140 Music Theory I (2) MUS 141 Musicianship I (3) MUS 145 Music Theory II (2) MUS 146 Musicianship II (3) MUS 240 Music Theory III	(2) MUS 241 Musicianship III (3) MUS 245 Music Theory IV (2) MUS 246 Musicianship IV (3) MUS 171 Music History I (3) MUS 172 Music History II

Applied Music 8 credit hours The 2-credit course includes a 1 hour weekly lesson. The 1-credit course includes a ½ hour weekly lesson. Work with MCC's music department chair to determine the best option for meeting your goals. Individual course numbers may be taken up to 4 times.	8	(1-2) MUS 201 Oboe (1-2) MUS 202 Organ (1-2) MUS 203 Piano (1-2) MUS 204 French Horn (1-2) MUS 205 Voice (1-2) MUS 206 Violin (1-2) MUS 207 Saxophone (1-2) MUS 208 Clarinet (1-2) MUS 209 String & Electric Bass (1-2) MUS 210 Trumpet	(1-2) MUS 211 Trombone (1-2) MUS 212 Baritone Horn (1-2) MUS 213 Guitar (1-2) MUS 214 Flute (1-2) MUS 215 Viola (1-2) MUS 216 Cello (1-2) MUS 217 Percussion (1-2) MUS 218 Bassoon (1-2) MUS 219 Tuba
Ensemble 4 credit hours A single course may be repeated for a total of 4 credit hours.	4	(1) MUS 100 Chorus (1) MUS 160 Jazz Ensemble (1) MUS 161 Chamber Ensemble (1) MUS 162 Concert Band	
Total Degree Requirements	66		

Other AFA – Music Graduation Requirements:

- Total of 66 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of degree
- 15 semester hours taken at MCC
- Completion of E-Portfolio end-of-program assessment
- Completion of graduation application

Degree Notes:

- No single course can be used to meet two different requirements.
- Students who are interested in majoring in music should contact an MCC academic advisor before selecting a transfer program.
- Students should contact their transfer school as soon as possible for evaluation of their MCC credits.
- Many schools require auditions and/or placement testing for admission to the music program and for transferring major-related courses. Competency in a foreign language may also be required.
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

Requirements for the Associate in General Education (AGE) Degree

The Associate in General Education degree is designed to meet the unique needs of students with objectives that are different from those of transfer degrees or career and technical education degrees. It provides students the opportunity to obtain a degree to meet employment needs not possible through other programs, to obtain a two-year liberal education, or to enhance opportunities for students who have completed certificate programs. While the degree is very flexible, the general education courses are a required component to provide students with basic skills and knowledge that may allow them to continue their education or to move into the workforce.

THIS DEGREE IS NOT DESIGNED TO TRANSFER; however, it may transfer in whole or in part to some universities. Students are encouraged to work with an academic advisor to develop an academic plan.

The following requirements apply to students who first enrolled for Summer 2017 or later. Students who first enrolled prior to Summer 2017 should contact an academic advisor for more information.

- Credit hours are shown in parentheses in front of the course number.
- Students also may complete an AGE degree through distance learning delivery options.

Curriculum: BAC 020	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts 2 courses	6	**Humanities** *Select from the following prefixes or course numbers:* ENG (does not include: 105, 151, 152, 088-099) FRE GER (3) JRN 152 Intro to Mass Communication (3) JRN 155 Media News Writing (3) JRN 165 Intro to Broadcasting (3) JRN 170 Media Feature Writing PHI (4) SPA 151 Elementary Spanish I (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (4) SPA 252 Intermediate Spanish II (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication	**Humanities cont'd.** (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation **Fine Arts** *Select from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I (3) GRA 167 Graphic Design I (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161,162, 201-219) THE
Mathematics & Physical Sciences or Life Sciences 2 courses	6	**Mathematics** *Select from the following prefixes or course numbers:* MAT (100-level or above) **Sciences** *Select from the following prefixes or course numbers:* BIO	**Sciences cont'd.** CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY

Social and Behavioral Sciences 2 courses	6	*Select from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of Developed World (3) GEG 203 Geog. of Developing World (3) GEG 204 Economic Geography	HIS PLT PSY SOC
General Electives	36	Choose any 100 or 200 level course listed in the catalog. Fewer credit hours may fulfill this requirement if general education credits exceed stated minimums; credits must total 60 for this degree. For distance learning options, please check the Credit Course Listing. *(See Degree Notes section below for pairs of courses in which both courses cannot count toward degree requirements.)*	
Total Degree Requirements	**60**		

Other AGE Graduation Requirements:

- Total of 60 credit hours
- 2.0 minimum cumulative GPA at MCC on completion of degree
- 15 semester hours taken at MCC
- Completion of E-Portfolio end-of-program assessment
- Completion of graduation application

Degree Notes:

- The following pairs of courses have similar course content. Only one course from each pair can be used to satisfy degree requirements: EAS 101 or EAS 120 or EAS 171; EAS 101 or EAS 170 or GEL 105; EAS 101 or EAS 172 or EAS 180; MAT 120 or MAT 220; MAT 161 or MAT 165; MAT 171 or MAT 175
- No single course can be used to meet two different requirements.
- Students who are interested in transferring to a four-year school should be sure to contact an academic advisor while pursuing this degree.
- Acceptance of a D grade and non-traditional credit (CLEP, AP, DANTES, military service, proficiency exam) varies from institution to institution.

CAREER AND TECHNICAL EDUCATION PROGRAMS

A CAREER-FOCUSED CURRICULUM

MCC's Career and Technical Education (CTE) programs are designed to prepare students for entry-level employment or career advancement in a variety of occupations. The College offers 29 associate's degree programs and 63 certificate programs in a wide range of areas.

AAS and certificate programs have been developed by MCC faculty and academic administration with input from citizens who serve on various CTE advisory committees of the College, along with the instructional program staff of state approval agencies. The involvement and contribution of each of these groups ensures that what students learn in the classroom will be relevant to the job market they are targeting.

While these programs are designed primarily for direct employment, students may wish to continue their education after completing a program. Students who complete an Associate in Applied Science (AAS) degree and decide to pursue further study at a four-year college or university should check that institution's catalog for the baccalaureate degree requirements. Many senior institutions have developed capstone programs for students who wish to continue studying after completing a Career and Technical Education program at a community college. An academic advisor at MCC can provide students with the necessary information.

PROGRAM REQUIREMENTS

The required courses for each CTE certificate and degree program are listed on the following pages. Students may attend classes full time or part time. For a semester-by-semester sequence of requirements, students should contact the appropriate department chair.

Students who would like to change the specified course requirements to make the program more relevant to their particular needs should work closely with the appropriate department chair to ensure that course substitutions are within the scope and intent of the program. All requests for waiver/substitution of courses specified in a CTE program require the approval of the appropriate department chair and associate vice president.

NOTE: *Course content is periodically updated to reflect changes in technology. If students are pursuing a degree or certificate program over an extended period, they may need to update their skills during that time to be prepared for updated course content.*

QUALITY ASSURANCE PLEDGE

MCC assures that students completing a certificate or an associate's degree in a Career and Technical Education area will be competent in the skills represented in that credential. If students are not able to demonstrate those skills to their employer during the first year of employment, they will be retrained at no additional cost if both the general and the program-specific conditions of the Quality Assurance Pledge have been met. Please see the department chair, academic advisor or a counselor for those conditions.

ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE PROGRAMS

The AAS degree is meant to provide students with coursework that will enable them to enter into or progress immediately within the job market. General education courses are a required component of the degree to provide students with a foundation of workplace skills and knowledge that may help them in the workplace or allow them to continue their education. The general education courses within the AAS degree are meant to be relevant to the specialized field, and also to provide general skills that can be applied to other degrees, certifications, or work experience.

Each candidate for an AAS degree must complete the following General Education curriculum:

		Credit Hours
1.	Communications Selected from approved courses listed in specific AAS degree requirements	6-9
2.	Humanities & Fine Arts /Social & Behavioral Sciences Selected from approved courses listed in specific AAS degree requirements	3-6
3.	Mathematics/Physical or Life Sciences/ Technology Selected from approved courses listed in specific AAS degree requirements	3-6
	Minimum General Education required	15
4.	Specialized Courses (as established for a particular program)	45-57
	Associate in Applied Science Degree Program Total	**60-72**

McHenry County College offers the following Associate in Applied Science degrees (AAS):

- Accounting
- Administrative Office Management
- Automotive Technology
- Automotive Technology—Management Option
- Baking & Pastry Management
- Business Management
- Construction Management
- Criminal Justice
- Culinary Management
- Digital Media
- Early Childhood Education
- Emergency Medical Technician-Paramedic
- Engineering Technology
- Fire Science
- Graphic Arts
- Health and Fitness Education
- Health Information Technology
- Help Desk Technician
- Horticulture
- Manufacturing Management
- Marketing
- Mobile Design and Development
- Network Security
- Occupational Therapy Assistant
- Paralegal Studies
- Physical Therapist Assistant
- Registered Nursing
- Robotics Systems Engineering Technology
- Web Design and Development

CERTIFICATE PROGRAMS

Certificate programs are shorter (one year or less) than degree programs and focus primarily on skill proficiencies that prepare students for immediate employment in an entry-level position. Coursework prescribed in a certificate program is usually included in the corresponding AAS degree program. If students decide to continue their education after completing a certificate program—or if they expand their educational goals prior to completing their certificate—they are free to move into an AAS program.

McHenry County College offers the following certificates:

- Accounting
- Administrative Office Management
- Administrative Office Skills
- Advanced Automotive Technician
- Advanced Manufacturing Technician
- Advanced Welding Technician
- Android Development
- Animation
- Architectural and Engineering Design
- Automotive Chassis
- Automotive Electrical
- Automotive Maintenance Technician
- Baking & Pastry Assistant I
- Basic Nursing Assistant
- Bookkeeping
- Business Management Principles
- Chef's Assistant I
- CNC Machining
- Computer Skills
- Construction Codes
- Cyber Security
- Early Childhood Education—Level II
- Early Childhood Education—Level III
- Emergency Medical Technician—Ambulance
- Emergency Medical Technician—Paramedic
- Entrepreneurship
- Firefighter Basic
- Fitness Instructor Training
- Floral Design
- Fundamentals of Design
- Game Development
- Gardening
- Geek Technology
- Graphic Design
- Greenhouse
- Help Desk
- Industrial Maintenance Technician
- International Business Studies
- iOS Development
- Landscape Management
- Legal Administration
- Manufacturing Processes
- Manufacturing Supervision
- Marketing
- Marketing Management
- Medical Administration
- Medical Billing & Coding
- Networking Specialist
- Organizational Leadership
- PC Support Specialist
- Paralegal Certificate
- Professional Selling
- Programming Fundamentals
- Retail Marketing Specialist
- Robotics Systems Programmer
- Small Business Marketing
- Social Media Marketing
- Tax Practitioner
- Turf & Golf Course Management
- Web Design
- Web Development
- Web Marketing
- Welding Technician

THE FAST TRACK

Room A250 (815) 479-7831
www.mchenry.edu/fasttrack

The Fast Track offers students the opportunity to earn specific professional certificates and/or Associate in Applied Science degrees in a prescribed format. This proven streamlined program gives students the advantage they need to compete for jobs in today's workforce. Fast Track students complete general education, leadership, and technical courses while they develop performance skills such as communication, critical thinking, flexibility, organization, problem solving and team building. Classes are offered in the evenings, online, eight weeks, sixteen weeks, and blended formats. Some classes are even offered at specific work sites. The goal of Fast Track is to make it as easy as possible for students to enroll and complete their educational goals by offering assistance in advising, planning, scheduling and registration.

The following are the degrees and some of the certificates offered in the Fast Track format:

- AAS in Business Management (evening and online)
- AAS in Construction Management
- AAS in Engineering Technology
- AAS in Manufacturing Management
- Advanced Manufacturing Technician Certificate
- Architectural and Engineering Design Certificate
- CNC Machining Certificate
- Industrial Maintenance Technician Certificate
- Welding Certificates

PARTNERSHIPS FOR COLLEGE & CAREER SUCCESS (PCCS)

Partnerships for College & Career Success (PCCS) is a program of study that spans a student's last two years of high school and first two years of enrollment at MCC. PCCS provides a challenging and rigorous sequence of courses, combining academic and technical content with workplace skills paving a direct pathway to continuing education enabling students to develop higher-level skills and prepare to build a career. Students who are involved in a PCCS sequence in their high school should see an MCC academic advisor prior to registration.

Career and Technical Education (CTE) for Dual Credit

Room A218 (815) 455-8569

Courses taught at the high school:

Currently, the following CTE courses are available as Dual Credit offerings at partnering high schools:

Applied Engineering Technologies (AET 151 and AET 152)

Harvard High School, Marengo High School (also AET 154 and AET 161)

Principles of Automotive Technology (AMT 100):

Cary Grove, Marengo, and Woodstock High Schools

Computer Literacy for Windows (CDM 110):

Alden-Hebron, Cary Grove, Crystal Lake Central, Crystal Lake South, Harvard, Huntley, Johnsburg, McHenry West, Prairie Ridge, Woodstock and Woodstock North High Schools

Culinary Management (CLM 101 and CLM 102):

Woodstock North High School

Health Fitness Education (HFE 176 and HFE 202):

Woodstock High School (also HFE 121 and HFE 122)
Woodstock North High School (also HFE 105)

Industrial Manufacturing Technology (IMT 100 and IMT 105):

Johnsburg High School
McHenry High School - East Campus
Woodstock High School

Nursing Assistant Education (NAE 100):

Marengo, Woodstock and Woodstock North High Schools

Web Design (WEB 105):

Woodstock High School
Woodstock North High School

Courses taught at the College:

If a student participates in CTE classes offered at MCC while still in high school, credit for those course(s) will be included on the student's MCC transcript.

Automotive Technology Program

AMT 100	Principles of Automotive Technology
AMT 120	Automotive Electricity Fundamentals

Criminal Justice, Emergency Medical Technician and Fire Science Technician

CJS 101	Introduction to Criminal Justice
CJS 290	Topics in Criminal Justice
EMS 105	First Responder Emergency Aid
FRS 100	Introduction to Emergency Services
FRS 101	Introduction to Fire Science
FRS 250	Fire Science Practicum

Culinary Management Program

CLM 101	Culinary Skills I
CLM 102	Culinary Skills II

Computers & Digital Media

CDM 110	Computer Literacy for Windows

Early Childhood Education Program

ECE 214	Early Childhood Art Activities
ECE 219	Early Childhood Science & Math

Fitness Instruction Training

HFE 121	Strength Training I
HFE 151	First Aid and CPR
HFE 170	Fitness Professions
HFE 171	Exercise Science I
HFE 176	Strength and Conditioning Principles
HFE 271	Exercise Science II

Nursing Assistant Education

NAE 100 Basic Nursing Assistant Training

Career and Technical Education (CTE) Articulated Credit

Students who participate in CTE classes offered at their high school should request a signed articulation agreement from their instructor. Per the agreement, MCC credit will be awarded when students enroll at MCC after high school and certain other conditions are met. Students should bring the articulation agreement to their first advising session at MCC and let the academic advisor know that they want to activate the agreement. **www.mchenry.edu/articulationagreements**

Participating High Schools:

- Alden Hebron Community High School
- Cary Grove High School
- Crystal Lake Central High School
- Crystal Lake South High School
- Harvard Community High School
- Huntley Community High School
- Johnsburg High School
- Marengo Community High School
- Marian Central Catholic High School
- McHenry High School – East Campus
- McHenry High School – West Campus
- Prairie Ridge High School
- Richmond Burton Community High School
- Woodstock High School
- Woodstock North High School

For the most current list of articulated credit courses and dual-credit programs, visit **www.mchenry.edu/pccs**.

PROGRAMS OF STUDY

A Program of Study is a comprehensive sequence of academic and technical courses specific to a professional field. Programs of Study provide a seamless progression for high school students to successfully transition from secondary to postsecondary education. Providing an ideal opportunity for high school students to earn Dual Credit, Programs of Study are recommended to start no later than the ninth grade and continue through at least the first two years of post-secondary education. The goal is to improve student access, equity, and outcomes making Programs of Study a key element in addressing a shortage of skilled professionals in critical-need, high wage fields offering viable careers and gainful employment. Foundationally, Programs of Study:

- Incorporate and align secondary and postsecondary education curricular elements
- Include academic and CTE content in a coordinated, non-duplicative progression of courses
- Afford the opportunity, where appropriate, for secondary students to acquire postsecondary credits
- Provide an educational opportunity leading to an industry-recognized credential, postsecondary certificate, Associate or Bachelor degree

Programs of Study radiate from the 16 officially recognized Career Clusters and their corresponding Pathways. Further information about Career Clusters, Pathways, and Programs of Study can be found at **www.iccb.org**. MCC has several successful CTE Programs of Study in place culminating in a postsecondary certificate, degree, and/or industry recognized professional credential reflecting a vibrant partnership with area high schools and a commitment by business and industry leaders to provide college internship opportunities. Formal Program of Study designation is currently in-process through the Illinois Pathways To Results initiative. For further information about high school Programs of Study and the direct link to MCC, visit the new Career Pathways website at **www.co.mchenry.il.us/county-government/regional-office-of-education/college-and-career-readiness** and click on the name of the applicable area high school.

INTERNSHIP OPPORTUNITIES

Every CTE degree program provides in-field internship opportunities. Depending on the program, an internship may have another name. For example, in professions such as Criminal Justice and Fire Science, internship opportunities are referred to as "field experience" whereas in the Emergency Medical Technician (EMT) and Nursing programs internships are known as "clinicals." Although managed through the individual CTE program, student internships often result from the involvement of business and industry leaders who actively participate in each CTE program's advisory board. Meetings are held at least once every semester. Added internship and employment information can be obtained through the coordinator of Career Services.

PERKINS AND POSTSECONDARY CAREER AND TECHNICAL EDUCATION (CTE)

Room A111B (815) 455-8996

As part of the Illinois Community College's statewide CTE network, the federally funded Perkins Postsecondary grant maximizes program development, enhancement, and continuous quality improvement as well as supportive services for students in CTE programs.

MCHENRY COUNTY COLLEGE INSTRUCTIONAL PROGRAMS LEADING TO INDUSTRY/OCCUPATIONAL/PROFESSIONAL CERTIFICATION

Program Name or Course Prefix, Title & Number	Certification	Agency/Organization	Testing Offered at MCC (Y or N)
Accounting			
Accounting AAS	Accredited Business Accountant	Accreditation Council for Accountancy and Taxation	N
Accounting Certificate	Accredited Business Accountant	Accreditation Council for Accountancy and Taxation	N
Bookkeeping Certificate	QuickBooks Certification	QuickBooks	Y
	Certified Bookkeeper	American Institute of Professional Bookkeepers	N
Tax Practitioner Certificate	Enrolled Agent	U.S. Department of the Treasury	N
Administrative Office Management			
Administrative Office Management AAS	Certified Administrative Professional (CAP)	International Association of Administrative Professionals	N
Administrative Office Management AAS	National Occupational Competency Testing Institute (NOCTI) Certificate	NOCTI	Y
Legal Administration Certificate	Accredited Legal Secretary (ALS)	National Association for Legal Secretaries (NALS)	N
Medical Administration Certificate	Registered Medical Transcriptionist	Association for Healthcare Document Integrity (AHDI)	N
Microsoft Access	Microsoft Office Specialist (MOS) Exams	Microsoft/Certiport	Y
Microsoft Excel	Microsoft Office Specialist (MOS) Exams	Microsoft/Certiport	Y
Microsoft PowerPoint	Microsoft Office Specialist (MOS) Exams	Microsoft/Certiport	Y
Microsoft Word	Microsoft Office Specialist (MOS) Exams	Microsoft/Certiport	Y
Architectural and Engineering Design Technology			
Architectural & Engineering Design Certificate	AutoCAD 2012 Certified Associate	Autodesk, Inc.	N
	AutoCAD 2012 Certified Professional	Autodesk, Inc.	N
	Autodesk Revit Architecture 2012 Certified Associate	Autodesk, Inc.	N
	Autodesk Revit Architecture 2012 Certified Professional	Autodesk, Inc.	N
Automotive			
Automotive Technology AAS	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N
Automotive Technology AAS (Management Option)	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N
Automotive Chassis Certificate	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N
Automotive Electrical Certificate	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N
Automotive Maintenance Technician Certificate	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N
Advanced Automotive Technician Certificate	Eligible to take all ASE exams	National Institute for Auto Service Excellence	N

AMT 100 – Principles of Automotive Technology	ASE Test G1 –Auto Maintenance & Light Rpr	National Institute for Auto Service Excellence	N
AMT 140 - Automotive Engine Technology	ASE Test A1 – Engine Performance	National Institute for Auto Service Excellence	N
AMT 270 - Automatic Transmissions & Transaxles	ASE Test A2 – Automatic Transmission/ Transaxle	National Institute for Auto Service Excellence	N
AMT 170 – Manual Drive Train and Axles	ASE Test A3- Manual Drive Train & Axles	National Institute for Auto Service Excellence	N
AMT 180 – Auto Steering-Chassis - Suspension	ASE Test A4 – Suspension & Steering	National Institute for Auto Service Excellence	N
AMT 220 – Automotive Brake Systems	ASE Test A5 – Brakes	National Institute for Auto Service Excellence	N
AMT 120 – Automotive Electricity Fundamentals	ASE Test A6 – Electrical Electronic Systems	National Institute for Auto Service Excellence	N
AMT 160 – Automotive Electronic Fundamentals	ASE Test A6 – Electrical Electronic Systems	National Institute for Auto Service Excellence	N
AMT 240 – Automotive Climate Control Systems	ASE Test A7 – Heating and Air Conditioning	National Institute for Auto Service Excellence	N
AMT 260 – Advanced Diagnostics & Driveability	ASE Test A8 – Engine Performance ASE Test L1 – Advanced Performance Test	National Institute for Auto Service Excellence National Institute for Auto Service Excellence	N N
Business			
Business Management AAS	COMP-XM	Capsim	Y
Business Management Principles Certificate	COMP-XM	Capsim	Y
Organizational Leadership Certificate	COMP-XM	Capsim	Y
Computers and Digital Media			
Advanced Computer Skills Certificate	Network+ Certification MTA Exam – 98-336- Network Fundamentals	CompTIA Microsoft	N
Computer Information Systems AAS	Network+ Certification	CompTIA	N
Computer Information AAS -with Help Desk Option	Network+ Certification A+ Certification Linux+ EXAM 70-687 – Configuring Windows 8.1 EXAM 70-688 – Supporting Windows 8.1 EXAM 70-410 – Installing and Configuring Windows Server 2012 MTA Exam - 98-336 – Network Fundamentals	CompTIA CompTIA Comp TIA Microsoft Microsoft Microsoft Microsoft	N N N N N N Y

Cyber Security Certificate	Network+ Certification	CompTIA	N
	Security+ Certification	CompTIA	N
	MTA Exam – 98-336 – Network Fundamentals	Microsoft	Y
	MTA Exam – 98-367 – Security Fundamentals	Microsoft	Y
Geek Technology Certificate	Network + Certification	CompTIA	N
	A+ Certification	CompTIA	N
	MTA Exam – 98-336 – Network Fundamentals	Microsoft	Y
Help Desk Certificate	Network+ Certification	CompTIA	N
	A+ Certification	CompTIA	N
	EXAM 70-687 – Configuring Windows 8.1	Microsoft	N
	EXAM 70-688 – Supporting Windows 8.1	Microsoft	N
	EXAM 70-410 – Installing and Configuring Windows Server 2012	Microsoft	N
	MTA Exam - 98-336 – Network Fundamentals	Microsoft	Y
	MTA Exam - 98-365 - Windows Server	Microsoft	Y
Network Security AAS	A+ Certification	CompTIA	N
	Linux+	CompTIA	N
	Network+ Certification	CompTIA	N
	Security+ Certification	Microsoft	N
	EXAM 70-687 – Configuring Windows 8.1	Microsoft	N
	EXAM 70-688 – Supporting Windows 8.1	Microsoft	N
	EXAM 70-410 – Installing and Configuring Windows Server 2012	Microsoft	N
	EXAM 70-411 – Administering Windows Server 2012 Services	Microsoft	N
	EXAM 70-412 – Configuring Advanced Windows Server 2012 Services	Microsoft	N
	MTA Exam - 98-336 - Network Fundamentals	Microsoft	N
	MTA Exam - 98-365 - Windows Server	Microsoft	N
	MTA Exam - 98-367 - Security Fundamentals	Microsoft	N

Network Specialist Certificate	Network+ Certification	CompTIA	N
	Security+ Certification	Microsoft	N
	EXAM 70-687 – Configuring Windows 8.1	Microsoft	N
	EXAM 70-688 – Supporting Windows 8.1	Microsoft	N
	EXAM 70-410 – Installing and Configuring Windows Server 2012	Microsoft	N
	EXAM 70-411 – Administering Windows Server 2012 Services	Microsoft	N
	EXAM 70-412 – Configuring Advanced Windows Server 2012 Services	Microsoft	N
	MTA Exam - 98-336 - Network Fundamentals	Microsoft	Y
	MTA Exam - 98-365 - Windows Server	Microsoft	Y
	MTA Exam - 98-367 - Security Fundamentals	Microsoft	Y
PC Support Specialist Certificate	A+ Certification	CompTIA	N
	Network+ Certification	CompTIA	N
	MTA Exam - 98-336 - Network Fundamentals	Microsoft	Y
Robotics System Engineering Technology AAS	Linux+	CompTIA	N
Webmaster Certificate	Network+ Certification	CompTIA	N
	MTA Exam - 98-336 - Network Fundamentals	Microsoft	Y
CDM 145 A+ Certification Prep	A+ Certification	CompTIA	N
NET 110 Network+ Certification Prep	Network+ Certification	CompTIA	N
	MTA Exam – 98-336 – Network Fundamentals	Microsoft	N
NET 145 Linux+ Certification Prep Administration	Linux+	CompTIA	N
NET 151 Windows Client I	EXAM 70-687 – Configuring Windows 8.1	Microsoft	N
	EXAM 70-688 – Supporting Windows 8.1	Microsoft	N
NET 152 Windows Server I	EXAM 70-140 – Installing and Configuring Windows Server 2012	Microsoft	N
	MTA Exam – 98-365 – Windows Server	Microsoft	N
NET170 Router Basics & NET 171 Cisco Certification Prep II & NET 172 Cisco Certification Prep III & NET 173 Cisco Certification Prep IV	CCNA	CISCO	N
NET 183 Security+ Certification Prep	Security+ Certification	CompTIA	N
	MTA Exam – 98-367 – Security Fundamentals	Microsoft	Y
NET 185 Ethical Hacking	MTA Exam – 98-367 – Security Fundamentals	Microsoft	Y

NET 251 Windows Windows Server II	EXAM 70-411 – Administering Windows Server 2012 MTA Exam – 98-365 – Windows Server	Microsoft Microsoft	N Y
NET 252 Windows Server III	EXAM 70-412 – Configuring Advanced Windows Server 2012 Services MTA Exam – 98-365 – Windows Server	Microsoft Microsoft	N Y
Construction Management			
Construction Codes Certificate	B1 Residential Building Inspector E1 Residential Electrical Inspector M1 Residential Mechanical Inspector R3 Residential Plans Examiner B2 Commercial Building Inspector B3 Building Plans Examiner	International Code Council (ICC) ICC ICC ICC ICC ICC	Y Y Y Y Y Y
Culinary Management			
Baking & Pastry Management AAS	BASSET ServSafe Alcohol ServSafe Sanitation Managefirst Diploma	Illinois Liquor Control Commission National Restaurant Association Educational Foundation (NRAEF)	Y Y Y
Culinary Management AAS	BASSET ServSafe Alcohol ServSafe Sanitation Managefirst Diploma	Illinois Liquor Control Commission National Restaurant Association Educational Foundation (NRAEF)	Y Y Y
Emergency Medical Services			
Emergency Medical Technician AAS	First Responder Certificate, EMT Basic Certificate, EMT Paramedic Certificate	Illinois Department of Public Health (IDPH)	N
Emergency Medical Technician –Ambulance Certificate	EMT Basic Certificate	Illinois Department of Public Health (IDPH)	N
Emergency Medical Technician – Paramedic Certificate	EMT Paramedic Certificate	Illinois Department of Public Health (IDPH)	N
EMS 105 – First Responder Emergency Aid	First Responder Certificate	Illinois Department of Public Health (IDPH)	N
Fire Science			
Fire Science AAS	Firefighter Basic Certificate, Fire Officer I Certificate	Office of the State Fire Marshall (OSFM)	Y
Firefighter Basic Certificate	Firefighter Basic Certificate	Office of the State Fire Marshall (OSFM)	Y
Fire Officer I Certificate	Fire Officer I Certificate	Office of the State Fire Marshall (OSFM)	Y
FRS 222 - Fire Service Instructor I	Instructor I Certificate	Office of the State Fire Marshall (OSFM)	Y
FRS 252 – Haz-Mat First Responder Operations	Haz Mat First Responder Operations Certificate	Office of the State Fire Marshall (OSFM)	Y
FRS 253 – Fire Apparatus Engineer	Fire Apparatus Engineer Certificate	Office of the State Fire Marshall (OSFM)	Y
Health Information Technology			
Medical Billing & Coding Certificate	AHIMA Certified Coding Associate (CCA)	American Health Information Management Association (AHIMA) and	N

Manufacturing Management			
Manufacturing Design Technology Certificate	Machining Level I Credential	National Institute for Metal Working Skills (NIMS)	Y
Nursing			
Basic Nursing Assistant Certificate	Certified Nursing Assistant	Illinois Department of Public Health (IDPH)	Y
Registered Nursing AAS	Registered Professional Nurses Licensure (RN)	National Council of State Boards of Nursing	N
Occupational Therapy			
Occupational Therapy Assistant AAS	Certified Occupational Therapist Assistant COTA	National Board for Certification in Occupational Therapy (NBCOTA)	N

ACCOUNTING

Program Overview

The Accounting Program lays a foundation for positions in business and industry—specifically with accounting and bookkeeping firms, corporations and governmental agencies. Accountants compile and analyze business records and prepare financial reports, such as profit and loss statements, balance sheets, cost studies and tax reports.

As accounting procedures in business and industry become increasingly complicated, prospects in the field look promising. With an associate's degree in accounting, students have the background needed to obtain a job in accounting with the possibility of advancing to the junior accountant level. For an accountant with further education, there are opportunities at the financial and managerial levels.

For more information, visit: **www.mchenry.edu/accounting**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Accounting

Curriculum: OCC 100	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 105 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences ECO 251 and PHI 251 recommended	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Business Core	15	(3) ACC 151 Financial Accounting (3) AOM 131 Spreadsheet Applications I (3) BUS 145 Business Applications of Math. (3) BUS 150 Intro to Business (3) BUS 240 Commercial Law	
Business Electives	2-3	Select from the following prefixes or course numbers: ACC, AOM, BUS, CDM, CIS, GRA 100, IBS, IMT, MGT, MKT, NET 180, or WEB 105. ***NOTE:*** *Effective Fall 2012, courses with the IBS prefix were changed to the BUS prefix. Courses taken prior to Fall 2012 with the IBS prefix will continue to satisfy this requirement.*	
Accounting Core	30	(3) ACC 110 Basic Accounting Procedures (3) ACC 152 Management Accounting (3) ACC 220 Computer Applications for Accounting (3) ACC 236 Cost Accounting (3) ACC 237 Income Tax Accounting	(3) ACC 238 Income Tax—Advanced (3) ACC 245 Principles of Finance (3) ACC 250 Intermediate Accounting I (3) ACC 251 Intermediate Accounting II (3) MGT 150 Principles of Management
Total Degree Credits	62-63		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of NOCTI exam.
- Completion of end-of-program assessment as directed by this department.
- Completion of graduation application

Requirements for the Accounting Certificate

Curriculum: OCC 101	**Credit Hours**		
Program Core	36	(3) ACC 110 Basic Accounting Procedures (3) ACC 151 Financial Accounting (3) ACC 152 Management Accounting (3) ACC 220 Computer Applications for Accounting (3) ACC 236 Cost Accounting (3) ACC 237 Income Tax Accounting	(3) ACC 238 Income Tax—Advanced (3) ACC 245 Principles of Finance (3) ACC 250 Intermediate Accounting I (3) ACC 251 Intermediate Accounting II (3) AOM 131 Spreadsheet Applications (3) ENG 105 Technical Communications
Total Certificate Credits	36		

For more information, visit: **www.mchenry.edu/accountingcertificate**

Requirements for the Bookkeeping Certificate

Curriculum: OCC 103	**Credit Hours**	
Program Core	12	(3) ACC 110 Basic Accounting Procedures (3) ACC 151 Financial Accounting (3) ACC 220 Computer Applications for Accounting (3) AOM 131 Spreadsheet Applications I
Total Certificate Credits	12	

For more information, visit: **www.mchenry.edu/bookkeeping**

Requirements for the Tax Practitioner Certificate

Curriculum: OCC 102	Credit Hours	
Program Core	10	(3) ACC 237 Income Tax Accounting (3) ACC 238 Income Tax—Advanced (3) ACC 239 IRS Practice and Procedure (1) ACC 240 Enrolled Agent (EA) Review **or** (1) ACC 241 Tax Internship
Total Certificate Credits	10	

For more information, visit: **www.mchenry.edu/taxpractitioner**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department.

Additional Information

CPA Professional Certification

To be eligible to sit for the CPA (Certified Public Accountant) examination in Illinois, a candidate must be a high school graduate, 18 years of age, of good moral character and meet residence requirements (or equivalent as determined by the University of Illinois).

Students must have 150 credits from an institution acceptable to the University of Illinois, and 27 must be in accounting and business law. Up to six hours of business law may be included to satisfy the 27-hour requirement. The remaining hours are to be selected from accounting courses of the student's choice.

At MCC, it is recommended that these include ACC 151, 152, 220, 236, 237, 238, 245, 250 and 251; AOM 131; BUS 240 and 241; and MAT 220. Contact the Committee on Accountancy, University of Illinois, at (217) 531-0950 for additional information.

CMA Professional Certification

The CMA (Certified Management Accountant) Certificate is a national program with no state affiliates. Students must have a senior standing at an accredited college or university, must hold a baccalaureate degree in any field, or must have passed the U.S. CPA examination. Recommended courses at MCC include ACC 151, 152, 236, 237, 238, 245, 250 and 251; AOM 131; BUS 150, 240 and 241; ECO 251 and 252; and MAT 220. Contact the Illinois Board of Examiners, at (815) 753-8900 or visit www.ilboe.org.

For more information, contact the department chair: (815) 455-8732.

ADMINISTRATIVE OFFICE MANAGEMENT

Program Overview

The Administrative Office Management (AOM) Program provides the career training to become an office manager, administrative assistant, legal or medical office assistant, transcriptionist, receptionist, office clerk or office support specialist. The curriculum blends human relations and communication skills with the latest administrative office technology and procedures.

The Administrative Office Skills certificate teaches the skills needed for an entry-level position. The Medical and Legal Administration certificates equip students for the specialized office work involved in those fields. The one-year AOM certificate prepares students to upgrade their skills for job advancement or to enter into a new career. The two-year degree prepares students for positions as highly trained office managers and administrative assistants.

On completion of the program, students will have the technology, administrative and interpersonal skills—as well as the initiative, confidence and decision-making ability—to be an effective member of an office team.

For more information, visit: **www.mchenry.edu/aom**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Administrative Office Management

Curriculum: OCC 200	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 105 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences PHI 251 recommended	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment GEL	**Physical or Life Sciences cont'd.** (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Business Core	12	(3) ACC 110 Basic Accounting Procedures **or** (3) ACC 151 Financial Accounting	(3) BUS 145 Business Applications of Math. (3) BUS 150 Intro to Business (3) MGT 150 Principles of Management
Program Core	29	(3) AOM 101 Keyboarding I (3) AOM 102 Document Formatting (3) AOM 120 Word Processing I (3) AOM 122 Word Processing II (2) AOM 130 Presentation Software (3) AOM 131 Spreadsheet Applications I (3) AOM 132 Database Systems I (3) AOM 145 Office Practice	(3) AOM 250 Administrative Office Procedures (3) BUS 155 Business Communication
Program Electives	4	(1) AOM 105 Keyboarding-Speed & Accuracy (2) AOM 134 Intro to Desktop Publishing (3) AOM 135 Medical Terminology (3) AOM 136 Medical Transcription (3) AOM 140 Integrated Office Applications (3) AOM 150 Legal Terminology & Transcription (4) AOM 225 Law for the Legal Secretary (3) AOM 231 Spreadsheet Applications II	(3) AOM 232 Database Systems II (2) AOM 234 Advanced Desktop Publishing (1-3) AOM 255 Administrative Office Management Internship (1-6) AOM 299 Independent Study in AOM (3) BUS 110 Business Career Skills
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Administrative Office Management Certificate

Curriculum: OCC 201	**Credit Hours**		
Program Core	29	(3) AOM 101 Keyboarding I (3) AOM 102 Document Formatting (3) AOM 120 Word Processing I (3) AOM 122 Word Processing II (2) AOM 130 Presentation Software (3) AOM 131 Spreadsheet Applications I (3) AOM 132 Database Systems I (3) AOM 145 Office Practice	(3) AOM 250 Administrative Office Procedures (3) BUS 155 Business Communication
Total Certificate Credits	29		

For more information, visit: **www.mchenry.edu/aomcertificate**

Requirements for the Administrative Office Skills Certificate

Curriculum: OCC 205	**Credit Hours**		
Program Core	20	(3) AOM 101 Keyboarding I (3) AOM 102 Document Formatting (3) AOM 120 Word Processing I (2) AOM 130 Presentation Software (3) AOM 131 Spreadsheet Applications I (3) AOM 145 Office Practice	(3) BUS 155 Business Communication
Total Certificate Credits	20		

For more information, visit: **www.mchenry.edu/officeskills**

Requirements for the Computer Skills Certificate

Curriculum: OCC 124	Credit Hours		
Program Core	28	(3) AOM 120 Word Processing I (3) AOM 122 Word Processing II (2) AOM 130 Presentation Software (3) AOM 131 Spreadsheet Applications I (3) AOM 132 Database Systems I	(3) AOM 140 Integrated Office Applications (3) AOM 231 Spreadsheet Applications II (3) AOM 232 Database Systems II (2) NET 150 Windows Operating Systems (3) WEB 105 Web Fundamentals
Total Certificate Credits	28		

For more information, visit: **www.mchenry.edu/computerskills**

Requirements for the Legal Administration Certificate

Curriculum: OCC 207	Credit Hours		
Program Core	25	(3) AOM 101 Keyboarding I (3) AOM 102 Document Formatting (3) AOM 120 Word Processing I (4) AOM 225 Law for the Legal Secretary (3) AOM 250 Administrative Office Procedures	(3) BUS 240 Commercial Law (3) BUS 241 Legal Environment of Business (3) CDM 110 Computer Literacy for Windows
Program Electives 3 credit hours	3	(1) AOM 105 Keyboarding-Speed & Accuracy (3) AOM 122 Word Processing II (3) AOM 145 Office Practice (3) AOM 150 Legal Terminology & Transcription	(1-3) AOM 255 Internship (requires 75 clock hours per credit in a legal office position) (3) BUS 155 Business Communication (3) PAR 101 Intro to Paralegal Studies
Total Certificate Credits	28		

For more information, visit: **www.mchenry.edu/legal**

Requirements for the Medical Administration Certificate

Curriculum: OCC 206	Credit Hours		
Program Core	26	(3) AOM 101 Keyboarding I (3) AOM 102 Document Formatting (3) AOM 120 Word Processing I (3) AOM 135 Medical Terminology (3) AOM 250 Administrative Office Procedures	(4) BIO 110 Intro to Human Biology (3) CDM 110 Computer Literacy for Windows (1) HCE 111 Evidence Based Practice (3) HIT 160 Intro to Health Info Technology
Program Electives 3 credit hours	3	(1) AOM 105 Keyboarding-Speed & Accuracy (3) AOM 122 Word Processing II (3) AOM 136 Medical Transcription (3) AOM 145 Office Practice (1-3) AOM 255 Administrative Office Management Internship (Requires 75 clock hours per credit in a medical office position)	(3) BUS 155 Business Communication (3) HIT 137 Basic CPT Coding (3) HIT 138 ICD Coding (3) HIT 240 Electronic Health Records
Total Certificate Credits	29		

For more information, visit: **www.mchenry.edu/medical**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 201, Administrative Office Management Certificate.

For more information, contact the department chair: (815) 455-8732.

ADVANCED MANUFACTURING

Program Overview

The demand for manufacturing technicians exists throughout McHenry County and the entire country. Every phase of American life is dependent upon their efforts. Everything that is planned and fabricated, from airplanes to sewing machines, needs detailed designs that must first be tested and then brought into production. As our society becomes more automated and computer enhanced, the need for these semi-professionals will continue to increase.

Manufacturing design and engineering technicians are part of the engineer-scientist-technician team that designs and produces a variety of products. Assignments include traditional drafting, Computer Aided Design (CAD), implementing engineering directives, material and product testing, and customer service.

Advanced Manufacturing Technician Certificate

The Advanced Manufacturing Technician certificate program provides a number of options. Students may wish to earn other related certificates in related manufacturing technologies, such as supervision or manufacturing processes. Or, students can continue studies and earn an Associate in General Education (AGE). Check with the department chair of Applied Technologies regarding goals and the future transferability of coursework.

For more information, visit:
www.mchenry.edu/advancedmanufacturing

Requirements for the Advanced Manufacturing Technician Certificate

Curriculum: OCC 172	**Credit Hours**		
Program Core	24	(3) AET 151 Computer Aided Design Graphics I (3) AET 171 Parametric Modeling SolidWorks I (3) IMT 100 Introduction to Manufacturing (3) IMT 102 Manufacturing Processes	(3) IMT 103 Materials of Industry (3) IMT 104 Blueprint Reading for Manufacturing (3) MAT 106 Technical Mathematics II (3) AET or ROB 110 elective subject to department chair approval.
Please select one of the following options: **CNC MACHINING OR AUTOMATION** (9 credit hours required)			
CNC Machining Specialization Option	**9**	(3) IMT 105 Introduction to Manual Machining (3) IMT 106 CNC Programming I (3) IMT 155 CNC Programming II	
Automation Specialization	**9**	Choose 9 credits from the following: (3) ROB 115 Introduction to Electronics (3) ROB 116 Electricity and Automatic Controls (3) ROB 145 Hydraulics, Pneumatics, and Controls (3) ROB 150 PLC Automation Applications I (3) ROB 151 PLC Automation Applications II	
Total Certificate Credits	33		

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of the graduation application
- Completion of end-of-program assessment, as designated by this department

For more information, contact the department chair: (815) 479-7521.

ARCHITECTURAL AND ENGINEERING DESIGN TECHNOLOGY

Program Overview

Students in the Architectural and Engineering Design certificate program learn the skills needed for a career in Computer Aided Design (CAD). CAD technicians with the requisite technical knowledge, visual talent and organizational skills can expect to find work in such diverse fields as mechanical/architectural design, civil engineering, surveying, commercial art and interior design.

The MCC certificate program serves students seeking to enter the drafting and design field as well as those looking to develop their skills and advance in their career.

Requirements for Architectural and Engineering Design Certificate

Curriculum: OCC 171	**Credit Hours**		
Program Core	6	(3) AET 151 Computer Aided Design Graphics I (3) AET 152 Computer Aided Design Graphics II	
Building Information Modeling (BIM) Technology Specialization Option	12	(3) AET 161 BIM Revit I (3) AET 162 BIM Revit II	(3) AET 165 BIM Navisworks I (3) CMT 102 Construction Documents
Engineering Technology Specialization Option	12	(3) AET 171 Parametric Modeling SolidWorks I (3) AET 172 Parametric Modeling SolidWorks II (3) IMT 104 Blueprint Reading for Manufacturing	(3) AET elective subject to department chair approval.
Digital Design and Fabrication Technology Specialization Option	12	(3) AET 171 Parametric Modeling SolidWorks I (6) AET elective subject to department chair approval.	(3) CMT 102 Construction Documents **or** (3) IMT 104 Blueprint Reading for Manufacturing **or** (3) GRA 100 Adobe Design Suite
Interior Design Specialization Option	12	(3) AET 141 Interior Design I (3) AET 142 History of Interiors	(3) AET 241 Interior Design II (3) CMT 102 Construction Documents
Landscape Design and CAD Technology Specialization Option	12	(3) HRT 161 Landscape Design (3) HRT 265 Landscape CAD	(3) HRT 266 Landscape Construction (3) CMT 102 Construction Documents
Virtual and Augmented Reality Specialization Option	12	(6) AET elective subject to department chair approval.	(3) ANI 105 3D Modeling and Animation I (3) DGM 160 3D Game Development I
Total Certificate Credits	18		

For more information, visit: **www.mchenry.edu/aet**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of the graduation application

For more information, contact the department chair: (815) 479-7521.

AUTOMOTIVE TECHNOLOGY

This program is certified by NATEF (National Automotive Technicians Education Foundation).

Program Overview

The automotive industry is more technically advanced than ever before. Automobiles are filled with modern technology that requires exceptional technical skills. MCC's Automotive Technology Program can lead students to the lifelong successful career they have been searching for. The program is NATEF Certified and provides state-of-the-art automotive labs. The hands-on training will ensure students' success and prepare them for the automotive industry and many related transportation and maintenance fields.

The automotive program has been a part of MCC for over 30 years, and all of the classes are taught by ASE Master Certified Technicians. Our Automotive Technology degree and certificate programs prepare students for a variety of employment opportunities including automotive repair technicians, lead technicians and service advisors. These positions can be with dealerships, independent auto shops, specialty shops or local and county municipalities. The management degree can lead to positions such as qualified parts and service directors and automotive consultants. The courses in this program are arranged in sequence that provides optimal learning opportunities. Students are encouraged to follow the integrated program sequence.

The MCC automotive program maintains a dress code for all students for reasons of safety as well as meeting industry standards for professionalism. Students are required to follow the dress code and practice all rules of safety.

For more information, visit: **www.mchenry.edu/automotive**

Program Prerequisites

In order to enroll in AMT 120, 140, 170 and 180, the following is required:

Credit earned for AMT 100, Principles of Automotive Technology, with a minimum grade of C or equivalent.

NOTE: *Proficiency tests for AMT 100 and other AMT courses may be taken by appointment. Call (815) 455-8941 for more information.*

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Automotive Technology

Curriculum: OCC 280	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC

Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	48-50	(4) AMT 100 Principles of Automotive Tech (3) AMT 110 Automotive Customer Service (4) AMT 120 Automotive Electricity Fundamentals (4) AMT 140 Automotive Engine Tech (4) AMT 160 Automotive Electronics Fundamentals (4) AMT 170 Manual Drive Train & Axles (4) AMT 180 Auto-Steering-Chassis| Suspension (4) AMT 200 Computerized Automotive Systems	(4) AMT 220 Automotive Brake Systems (4) AMT 240 Automotive Climate Control Systems (1-3) AMT 250 Automotive Cooperative Internship (4) AMT 260 Advanced Diagnostics & Driveability (4) AMT 270 Automatic Transmissions & Transaxles
Program Electives	2-4	(4) AMT 230 High Performance Engine Fundamentals (4) AMT 265 Alternate Fuel Vehicles (3) AMT 299 Automotive Independent Study	(3) CDM 110 Computer Literacy for Windows (3) EMS 105 First Responder Emergency Aid (2) HFE 151 First Aid & CPR
Total Degree Credits	65-69		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Associate in Applied Science (AAS) in Automotive Technology, Management Option

Curriculum: OCC 285	Credit Hours		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI (4) SPA 151 Elementary Spanish I	**Humanities & Fine Arts cont'd.** (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical **or** Life Sciences, or Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	48-50	(4) AMT 100 Principles of Automotive Tech (3) AMT 110 Automotive Customer Service (4) AMT 120 Automotive Electricity Fundamentals (4) AMT 140 Automotive Engine Tech (4) AMT 160 Automotive Electronics Fundamentals (4) AMT 170 Manual Drive Train & Axles (4) AMT 180 Auto-Steering-Chassis Suspension	(4) AMT 200 Computerized Automotive Systems (4) AMT 220 Automotive Brake Systems (4) AMT 240 Automotive Climate Control Systems (1-3) AMT 250 Automotive Cooperative Internship (4) AMT 260 Advanced Diagnostics & Driveability (4) AMT 270 Automatic Transmissions & Transaxles
Program Management Electives	6	(3) ACC 151 Financial Accounting (3) BUS 220 Human Relations & Teambuilding (3) CDM 110 Computer Literacy for Windows	(3) IMT/MGT 110 Supervisory Responsibility (3) MGT 150 Principles of Management (3) MKT 110 Principles of Marketing (3) MKT 130 Professional Selling
Total Degree Credits	69-71		

For more information, visit: **www.mchenry.edu/automanager**

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

AUTOMOTIVE MAINTENANCE TECHNICIAN CERTIFICATES

The Automotive Electrical Certificate is the first part of the Automotive Maintenance Certificate program. Students train for entry-level positions in the automotive electrical field. This includes but is not limited to battery, alternator, and starter service as well as automotive accessory installation and repair. The certificate is a 12 credit hour program.

The Automotive Chassis Certificate is the second part of the Automotive Maintenance Certificate program. Students train for entry-level positions in the automotive chassis maintenance field. This includes but is not limited to oil changes, tire service, steering and suspension service, brake service and wheel alignments. This certificate is a 12 credit hour program.

MCC's Automotive Electrical and Automotive Chassis Certificates allow students to complete a technical education program, join the workforce, and return to school later to complete the Advanced Automotive Technician Certificate, a 45-47 credit hour program, or an Associate in Applied Science degree.

Requirements for Automotive Electrical Certificate

Curriculum: OCC 282	**Credit Hours**	
Program Core	12	(4) AMT 100 Principles of Automotive Technology (4) AMT 120 Automotive Electricity Fundamentals (4) AMT 160 Automotive Electronic Fundamentals
Total Certificate Credits	12	

For more information, visit: **www.mchenry.edu/electrical**

Requirements for the Automotive Chassis Certificate

Curriculum: OCC 283	**Credit Hours**	
Program Core	12	(4) AMT 100 Principles of Automotive Tech. (4) AMT 180 Auto-Steering-Chassis Suspension (4) AMT 220 Automotive Brake Systems
Total Certificate Credits	12	

For more information, visit: **www.mchenry.edu/chassis**

Requirements for the Automotive Maintenance Technician Certificate

Curriculum: OCC 281	**Credit Hours**		
Program Core	24	(4) AMT 100 Principles of Automotive Tech. (4) AMT 120 Automotive Electricity Fundamentals (4) AMT 140 Automotive Engine Tech.	(4) AMT 160 Automotive Electronics Fundamentals (4) AMT 180 Auto-Steering-Chassis Suspension (4) AMT 220 Automotive Brake Systems
Total Certificate Credits	24		

For more information, visit: **www.mchenry.edu/autotech**

Requirements for the Advanced Automotive Technician Certificate

Curriculum: OCC 286	Credit Hours		
Program Core	45-47	(4) AMT 100 Principles of Automotive Tech (4) AMT 120 Automotive Electricity Fundamentals (4) AMT 140 Automotive Engine Tech. (4) AMT 160 Automotive Electronics Fundamentals (4) AMT 170 Manual Drive Train & Axles (4) AMT 180 Auto Steering-Chassis Suspension	(4) AMT 200 Computerized Automotive Systems (4) AMT 220 Automotive Brake Systems (4) AMT 240 Automotive Climate Control Systems (1-3) AMT 250 Automotive Cooperative Internship (4) AMT 260 Advanced Diagnostics & Driveability (4) AMT 270 Automatic Transmissions & Transaxles
Total Certificate Credits	45-47		

For more information, visit: **www.mchenry.edu/automotivetech**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 286, Advanced Automotive Technician Certificate.

For more information, contact the department chair: (815) 455-8941.

BAKING AND PASTRY MANAGEMENT

Program Overview

The hospitality & food service industry is one segment of the largest employment field in the world- travel and tourism. Students can prepare for this growing field through MCC's Baking & Pastry Management program and obtain additional industry certification by completing National Restaurant Association Educational Foundation (NRAEF) classes.

The baking and pastry program provides training that will allow graduates to pursue positions in bakeries, restaurants, hotels, banquet halls and cruise ships. Courses are designed to build on skillsets, culminating in Sweet Scots Bakery, the student-run bakery. Please visit **www.mchenry.edu/culinary** to see important program information including: the culinary student code of conduct, attendance expectations, culinary specific scholarships and current transfer agreements to 4 year Baccalaureate programs.

Program Costs

CLM 101 and PAS 101 course fees include the MCC required student uniform and toolkit. Additional recommended items will vary by class and some additional items will be available for purchase in the bookstore. Student uniforms will be ordered the first week of classes during CLM 101 & PAS 101.

For more information, visit: **www.mchenry.edu/pastry**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Baking and Pastry Management

Curriculum: OCC 415	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **or** 1 course from Social & Behavioral Sciences	3-4	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* (3) ART 150 Hum. Through Arts (3) ART 151 Art Appreciation (3) ART 155 Non-Western Art (3) ART 165 Ethnic Folk Art (3) ART 171 Art History I (3) ART 172 Art History II (3) ART 174 Studies in Cont Art (3) ART 175 History of Photo. (3) ENG (100 level and above excluding 105, 108, 151, 152, 250, 252) FRE (3) JRN 180 Intro. to Film (3) MUS 151 Music Apprec. (3) MUS 153 Intro. Non-Western Music (3) MUS 154 Intro. to Am. Music (3) MUS 171 Music History I (3) MUS 172 Music History II (3) PHI 151 Intro. to Philosophy (3) PHI 155 Intro. to Logic (3) PHI 160 Eastern Philosophy (3) PHI 240 Philosophy of Rel. (3) PHI 251 Intro. to Ethics (3) PHI 262 Found. Rel. Texts (3) PHI 261 Religions of World SPA (3) THE 151 Intro. to Theatre	**Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* (3) ANT 151 Intro. to Anthro. (3) ANT 155 Intro. to Archaeol. (3) ANT 160 Intro. Phys. Anthro. (3) ANT 170 Intro. Cult. Anthro. (3) ECO 150 Intro. Economics (3) ECO 251 Microeconomics (3) ECO 252 Macroeconomics (3) GEG 202 Geography of the Developed World (3) GEG 203 Geography of the Developing World (3) GEG 204 Economic Geog. (3) HIS 131 Western Civ. I (3) HIS 132 Western Civ. II (3) HIS 165 History of Latin Am. (3) HIS 170 US History I (3) HIS 172 US History II (3) PLT 150 Intro. Pol. Thought (3) PLT 151 US Government (3) PLT 155 State & Local Govt. (3) PLT 251 Internat'l. Relations (3) PLT 255 Comparative Govt. (3) PSY 151 Intro. to Psychology (3) PSY 250 Hum Dev/Life Span (3) PSY 251 Child Psychology (3) PSY 260 Intro. Gerontology (3) PSY 265 Social Psychology (3) SOC 151 Intro. to Sociology (3) SOC 175 Soc. of Families (3) SOC 251 Social Problems (3) SOC 260 Soc. of Race & Eth. (3) SOC 261 Soc. of Sex & Gen.

Mathematics, Physical or Life Sciences, Technology	6-8	**Mathematics** *Select one course from the following:* (3) BUS 145 Business Applications of Mathematics **or** MAT (100 level or above)	**Physical or Life Sciences** *Select one course from the following prefixes or course numbers:* BIO CHM HRT
Program Core	47	(3) CLM 100 Introduction to Hospitality (2) CLM 105 Sanitation and Safety (3) CLM 106 Culinary Nutrition **or** (3) HFE 250 Nutrition for Wellness (3) CLM 107 Culinary and Hospitality Supervision (3) CLM 130 Inventory, Purchasing & Costing	(3) CLM 160 Menu Planning (7) PAS 101 Pastry Skills I (7) PAS 102 Pastry Skills II (5) PAS 103 Pastry Skills III (5) PAS 208 Bakery Operations (3) PAS 240 Decorative Pastry Skills (3) PAS 250 Confections & Chocolates
Business Elective	0-2	(0-2) BUS 255 Internship (optional)	
Total Degree Credits	62-67		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Baking and Pastry Assistant I Certificate

Curriculum: OCC 413	Credit Hours	
Program Core	19	(3) CLM 100 Introduction to Professional Hospitality (2) CLM 105 Sanitation and Safety (7) PAS 101 Pastry Skills I (7) PAS 102 Pastry Skills II
Total Certificate Credits	19	

For more information, visit: **www.mchenry.edu/baking**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 479-7511.

BUSINESS MANAGEMENT

Program Overview

Business management is key to a company's success or failure. Business managers make far-reaching decisions about personnel, equipment, finances, materials, advertising, marketing and sales. More business managers today are working in the international arena.

MCC's Business Management degree and certificate programs prepare students for a variety of entry- and mid-level management positions, including office manager, department manager, human resources manager, sales manager and store manager. Opportunities can be found in almost every arena—health, banking, trade, manufacturing, telecommunications, government, retail, service, nonprofit, e-business and social marketing.The program can also help those already in management positions fine-tune their skills and become more effective in decision-making, problem-solving and human relations—three vital areas. Business simulations help students learn how to run a company and compete in the marketplace.

For more information, visit:
www.mchenry.edu/businessmanagement

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Business Management

Curriculum: OCC 600	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 151 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts (PHI 251 recommended) **and** 1 course from Social & Behavioral Sciences (ECO 251 required)	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** (3) ECO 251 Microeconomics
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Business Core	15	(3) ACC 151 Financial Accounting (3) BUS 145 Business Applications of Mathematics (3) BUS 150 Intro to Business	(3) BUS 155 Business Communication **or** (3) BUS 255 Business Internship (3) CDM 110 Computer Literacy for Windows
Business Electives	3	Choose courses from catalog with prefix ACC, AOM, BUS, CDM, CIS, GRA 100, ECO, IBS, MGT, MAT (100 level or above), MKT, NET 180, or WEB 105. ***NOTE:*** *Effective Fall 2012, courses with the IBS prefix were changed to the BUS prefix. Courses taken prior to Fall 2012 with the IBS prefix will continue to satisfy this requirement.*	
Management Core	27	(3) ACC 152 Management Accounting (3) BUS 175 Intro to International Business **or** (3) BUS 220 Human Relations & Teambuilding (3) BUS 240 Commercial Law (3) BUS 241 Legal Environment of Business	(3) MGT 150 Principles of Management (3) MGT 205 Creative Leadership (3) MGT 210 Human Resources Management (3) MGT 230 Experiencing Management Decisions (3) MKT 110 Principles of Marketing
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8732.

Requirements for the Business Management Principles Certificate

Curriculum: OCC 602	**Credit Hours**		
Program Core	30	(3) ACC 151 Financial Accounting (3) AOM 120 Word Processing I **or** (3) AOM 131 Spreadsheet Applications I (3) BUS 145 Business Applications of Math. (3) BUS 150 Intro to Business (3) BUS 155 Business Communication (3) BUS 240 Commercial Law **or** (3) BUS 241 Legal Environment of Business	(3) CDM 110 Computer Literacy for Windows (3) MGT 150 Principles of Management (3) MGT 230 Experiencing Management Decisions (3) MKT 110 Principles of Marketing
Total Certificate Credits	30		

For more information, visit: **www.mchenry.edu/businessprinciples**

Requirements for the Entrepreneurship Certificate

Curriculum: OCC 610	**Credit Hours**	
Program Core	12	(3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) MGT 150 Principles of Management (3) MKT 160 Social Media Marketing
Total Certificate Credits	12	

For more information, visit: **www.mchenry.edu/entrepreneur**

Requirements for the International Business Studies Certificate

Curriculum: OCC 620	Credit Hours	
Program Core	9	(3) BUS 175 Introduction: International Business (3) BUS 270 Principles of Exporting & Importing (3) MKT 264 International Marketing
Program Electives	3	(3) BUS 150 Intro to Business (3) MGT 150 Principles of Management (3) Select course(s) with IBS or BUS prefix ***NOTE:*** *Effective Fall 2012, courses with the IBS prefix were changed to the BUS prefix. Courses taken prior to Fall 2012 with the IBS prefix will continue to satisfy this requirement.*
Total Certificate Credits	12	

For more information, visit: **www.mchenry.edu/ibs**

Requirements for the Organizational Leadership Certificate

Curriculum: OCC 601	Credit Hours	
Program Core	18	(3) ACC 151 Financial Accounting (3) BUS 150 Intro to Business (3) MGT 150 Principles of Management (3) MGT 205 Creative Leadership (3) MGT 210 Human Resources Management (3) MGT 230 Experiencing Management Decisions
Total Certificate Credits	18	

For more information, visit: **www.mchenry.edu/leadership**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 455-8732.

COMPUTERS AND DIGITAL MEDIA

Program Overview – Digital Media

In this rapidly changing digital age, there is a growing need for skilled people to create digital content for many different types of venues and applications. Entertainment, information and education are increasingly offered through digital formats; advertising and marketing are doing well on the web; casual games are downloaded for play on cell phones and over the Internet.

Careers in digital media include positions such as Graphic Designer, Animator, Game Developer, Game Designer, Web Content Developer, Instructional Designer, and Simulation Designer. MCC's Digital Media Program offers an associate's degree as well as three specialty certificates to prepare students with skills needed in this growing industry.

An associate's degree with a focus in digital media will help students prepare to create interactive content for the web, animations, and simple video games. And while pursuing a degree at MCC, students have the opportunity to apply courses to shorter-term specialty certificates.

For more information, visit: **www.mchenry.edu/digitalmedia**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Digital Media

Curriculum: OCC 129	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* (3) DGM 168 Computer Art I (3) GRA 167 Graphic Design I **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO	**Social & Behavioral Sciences cont'd.** (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	30	(3) CDM 110 Computer Literacy for Windows (3) DGM 107 Intro to Digital Legalities (3) DGM 123 Digital 2D Design (3) DGM 125 Digital Drawing 1 (3) DGM 265 Project Management	(3) DGM 275 Portfolio Design (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals (3) WEB 175 Website Development 1
Program Electives	15	Select from the following prefixes and course numbers ANI, ART 250, ART 252, DBM, DGM, GRA, MAD, MKT, PRG, WEB.	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Animation Certificate

Curriculum: OCC 1293	Credit Hours		
Program Core	24	(3) ANI 100 2D Animation (3) ANI 103 Animation Techniques I (3) ANI 105 3D Modeling & Animation 1 (3) ANI 203 Animation Techniques II	(3) ANI 205 3D Modeling & Animation II (3) CDM 110 Computer Literacy for Windows (3) DGM 123 Digital 2D Design (3) DGM 125 Digital Drawing I
Total Certificate Credits	24		

For more information, visit: **www.mchenry.edu/animation**

Requirements for the Game Development Certificate

Curriculum: OCC 1294	Credit Hours		
Program Core	15	(3) DGM 110 Game Design I (3) DGM 160 3D Game Development I (3) DGM 210 Game Design II	(3) DGM 260 3D Game Development II (3) PRG 105 Programming Logic
Program Electives	9	Note: Select from the following prefixes and course numbers ANI, DBM, GRA, MAD, and PRG.	
Total Certificate Credits	24		

For more information, visit: **www.mchenry.edu/game**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 479-7521.

Program Overview – Help Desk Technician

MCC's Help Desk Technician prepares students for entry-level positions in computer support. Students will learn about operating systems, networking, hardware as well as have elective options in business and light programming. This curriculum provides a well-rounded background for computer support personnel – skills that today's employers are looking for in computer support people:

- A logical thought process
- Attention to detail
- The ability to communicate using non-computer terms
- The ability to work in small groups
- The ability to meet deadlines and work under pressure
- Good communication skills, dependability, reliability, and the willingness to work as part of a team

For more information, visit: **www.mchenry.edu/helpdesktech**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Help Desk Technician

Curriculum: OCC 120	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Business Core	9	(3) BUS 150 Intro to Business (3) BUS 155 Business Communication (3) MGT 150 Principles of Management	

Program Core	24	(3) CDM 110 Computer Literacy for Windows (3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep	(3) NET 145 Linux+ Certification Prep (3) NET 151 Windows Client I (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Electives	12	Select from the following prefixes BUS, CDM, DBM, DGM, MGT, NET, and PRG	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8732.

Program Overview – Network Security

The Network Security Program will prepare students in the areas of IT networking and security. Students will develop a comprehensive understanding of networking protocols and security concepts. Students will also develop key skills in multiple areas of networking: service setup and maintenance; workstations; protocols; hardware; ethics; and security.

This program will prepare students for entry-level positions in the computer networking security field. This program will prepare individuals to become Network Administrators, Network Support Specialists, Security Specialists, Penetration Testers or Security Analysts.

One unique aspect of this program is that it incorporates preparatory work for professional certification tests. These professional certifications are from Cisco, Comp TIA, and Microsoft.

The program emphasizes additional skills that today's employer is seeking: people with good communication skills, dependability, reliability and the willingness to work as part of a team.

For more information, visit: **www.mchenry.edu/networksecurity**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Network Security

Curriculum: OCC 1282	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech

Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	45	(3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep (3) NET 145 Linux+ Certification Prep (3) NET 151 Windows Client I (3) NET 152 Windows Server I (3) NET 170 Cisco Certification Prep I (3) NET 171 Cisco Certification Prep II	(3) NET 172 Cisco Certification Prep III (3) NET 173 Cisco Certification Prep IV (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking (3) NET 251 Windows Server II (3) NET 252 Windows Server III (3) NET 270 CCNA Security
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8732.

Requirements for the Cyber Security Certificate

Curriculum: OCC 1284	Credit Hours		
Program Core	21	(3) CDM 110 Computer Literacy for Windows (3) CDM 120 Computer Ethics (3) NET 110 Network+ Certification Prep (2) NET 140 Linux Operating Systems	(2) NET 150 Windows Operating Systems (2) NET 180 Computer Security Awareness (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking
Total Certificate Credits	21		

For more information, visit: **www.mchenry.edu/cybersecurity**

Requirements for the Geek Technology Certificate

Curriculum: OCC 1285	Credit Hours		
Program Core	22	(3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (3) NET 125 A+ Certification Prep	(2) NET 150 Windows Operating Systems (3) NET 151 Windows Client I (3) SPE 155 Interpersonal Communications (3) WEB 105 Web Fundamentals
Total Certificate Credits	22		

For more information, visit: **www.mchenry.edu/geektech**

Requirements for the Help Desk Certificate

Curriculum: OCC 123	Credit Hours		
Program Core	21	(2) NET 180 Computer Security Awareness (3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics	(3) NET 125 A+ Certification Prep (2) NET 150 Windows Operating Systems (3) SPE 155 Interpersonal Communication (3) WEB 105 Web Fundamentals
Program Electives 4 credit hours	8-9	(1) CDM 250 Internship in CDM (1-4) CDM 290 Topics in CDM (3) NET 151 Windows Client I	(3) NET 152 Windows Server I (3) PRG 105 Programming Logic
Total Certificate Credits	29-30		

For more information, visit: **www.mchenry.edu/helpdesk**

Requirements for the Networking Specialist Certificate

Curriculum: OCC 1281	Credit Hours		
Program Core	16	(3) CDM 110 Computer Literacy for Windows (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (2) NET 150 Windows Operating Systems	(3) NET 151 Windows Client I (3) NET 152 Windows Server I
Program Electives	8-9	(3) CDM 120 Computer Ethics (2) NET 140 Linux Operating Systems (3) NET 183 Security+ Certification Prep (3) NET 185 Ethical Hacking	(3) NET 251 Windows Server II (3) NET 252 Windows Server III
Total Certificate Credits	24-25		

For more information, visit: **www.mchenry.edu/networking**

Requirements for the PC Support Specialist Certificate

Curriculum: OCC 128	Credit Hours		
Program Core	17	(3) CDM 110 Computer Literacy for Windows (2) NET 150 Windows Operating Systems (2) NET 120 Computer Hardware Basics	(3) NET 110 Network+ Certification Prep (3) NET 125 A+ Certification Prep (2) NET 140 Linux Operating Systems (2) NET 180 Computer Security Awareness
Total Certificate Credits	17		

For more information, visit: **www.mchenry.edu/pcsupport**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 479-7521.

CONSTRUCTION MANAGEMENT

Program Overview

The Construction Management Program prepares students for careers as construction managers, building inspectors and cost estimators. Construction managers coordinate the activities of skilled workers, supervisors, suppliers and subcontractors. As inspectors and building officials, these professionals examine structures to ensure that standards are met.

Students can earn an associate's degree in Construction Management or a certificate in Construction Codes. In addition to the general education and core courses, the program incorporates preparatory work for professional certification tests. After completing the relevant courses, the student is eligible to take the International Code Council Examinations.

The courses in this program are arranged in a sequence that provides optimal learning opportunities. Students are required to follow the integrated program sequence.

For more information, visit: **www.mchenry.edu/construction**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Construction Management

Curriculum: OCC 250	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 151 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **or** 1 course from Social & Behavioral Sciences PHI 251 and SOC 151 recommended	3	**Humanities & Fine Arts** *Select from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (4) SPA 252 Intermediate Spanish II (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, and 1 course from Technology MAT 106 and AET 151 recommended	6	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Program Core	18	(3) ACC 151 Financial Accounting **or** (3) BUS 150 Introduction to Business (3) CMT 102 Construction Documents (3) CMT 105 Intro to Building Construction (3) CMT 120 Building Codes & Enforcement (3) CMT 205 Construction Project Mgmt.	(3) CMT 261 Technical Portfolio Design I
Program Electives	27	(15) CMT elective subject to department chair approval (12) AET or IMT elective subject to department chair approval	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Construction Codes Certificate

Curriculum: OCC 251	**Credit Hours**		
Mathematics or Physical Sciences or Life Sciences 1 course MAT 106 recommended	3	**Mathematics** Select from the following prefixes or course numbers: MAT (100-level or above) **Physical or Life Sciences** Select from the following prefixes or course numbers: BIO CHM	**Physical or Life Sciences cont'd** EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 the Global Environment GEL (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY
Program Core	27	(3) CMT 102 Construction Documents (3) CMT 105 Intro to Building Construction (3) CMT 120 Building Codes and Enforcement	(6) AET or IMT elective subject to department chair approval (12) CMT elective subject to department chair approval
Total Certificate Credits	30		

For more information, visit: **www.mchenry.edu/constructioncodes**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 479-7521.

CRIMINAL JUSTICE

Program Overview

Demand is steady for well-qualified professionals in municipal, county, state and federal criminal justice agencies. But those without sufficient educational preparation have difficulty finding employment or advancement opportunities in these agencies.

Criminal justice professionals—public or private—must understand the legal and social issues involved in this work. They must be educated and skilled specialists to be able to cope with the many demands and challenges of today's society.

MCC's two-year program in Criminal Justice, which leads to an Associate in Applied Science degree, helps develop the skills, knowledge and attitude necessary for employment and advancement as a law enforcement officer. The degree also serves as a foundation for associated professions that require advanced study, such as probation, parole, corrections and social services.

Possible Professional Requirements:

Employment in the criminal justice field typically involves extensive testing and review processes such as written exams; medical requirements; physical tests and standards; random drug testing; background checks; psychological testing; polygraph testing; and oral interviews. The Criminal Justice Program prepares the student to be successful in meeting these requirements for employment.

For more information, visit: **www.mchenry.edu/criminaljustice**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Criminal Justice

Curriculum: OCC 190	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select one course from the following:* (3) ART 150 Hum. Through Arts (3) ART 151 Art Appreciation (3) ART 155 Non-Western Art (3) ART 165 Ethnic Folk Art (3) ART 171 Art History I (3) ART 172 Art History II (3) ART 174 Studies in Contemporary Art (3) ART 175 History of Photo. (3) ENG 240 Intro. Shakespeare (3) ENG 251 Intro. to Lit. (3) ENG 253 World Lit. to 1650 (3) ENG 254 World Lit. 1650 to Present (3) ENG 255 British Lit. to 1800 (3) ENG 256 British Lit. 1800 to Present (3) ENG 260 Am. Lit. to 1860 (3) ENG 261 Am. Lit. 1860 to Present (3) ENG 270 Bible as Lit. (3) ENG 271 Grk. & Rom. Myth. (3) ENG 272 Non-West. Myth 1 (3) ENG 275 Women's Lit (3) ENG 276 Asian Lit. (3) ENG 277 Intro. Children's Lit. (4) FRE 252 Inter. French II (4) GER 252 Inter. German II	(3) JRN 180 Intro. to Film (3) MUS 151 Music Apprec. (3) MUS 153 Intro. Non-Western Music (3) MUS 154 Intro. to Am. Music (3) MUS 171 Music History I (3) MUS 172 Music History II (3) PHI 151 Intro. to Philosophy (3) PHI 155 Intro. to Logic (3) PHI 160 Eastern Philosophy (3) PHI 240 Philosophy of Rel. (3) PHI 251 Intro. to Ethics (3) PHI 261 Religions of World (3) PHI 262 Found. Rel. Texts (4) SPA 252 Inter. Spanish II (3) THE 151 Intro. to Theatre **Social & Behavioral Sciences** *Select one course from the following:* (3) PLT 151 United States Government or (3) PLT 155 State & Local Government *NOTE: If PLT 155 is selected here, it may not be used for elective.*

Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	33	(3) CDM 110 Computer Literacy for Windows (3) CJS 101 Intro to Criminal Justice (3) CJS 106 Intro to Corrections (3) CJS 115 Criminal Law (3) CJS 120 Juvenile Delinquency (3) CJS 140 Criminology	(3) CJS 215 Community Policing (3) CJS 230 Student Police Academy (3) ENG 152 Composition II (3) PSY 151 Intro to Psychology (3) SOC 151 Intro to Sociology
Please select one of the following options for program emphasis: **LAW ENFORCEMENT/SECURITY, CORRECTIONS, SOCIAL SERVICE OR COMPUTER FORENSICS** (15 credit hours required)			
Law Enforcement/Security Option	15	(3) CJS 125 Principles of Criminal Investigation (3) CJS 110 Policing (3) CJS 201 Laws of Criminal Evidence (3) CJS 220 Ethics in Criminal Justice (3) CJS 225 Criminal Justice Management (3) CJS 250 Criminal Justice Internship (1-6) CJS 290 Topics in Criminal Justice (3) CJS 275 Criminal Procedure (3) EMS 105 First Responder Emergency Aid	(2) FRS 100 Intro to Emergency Services (3) HFE 161 Personal Fitness (3) HFE 251 Drugs in a Contemporary Society (3) HFE 252 Issues in Family Violence (3) PLT 155 State & Local Government (not an option if used for Social Science) (3) SOC 256 Sociology of Deviance (3) SOC 260 Sociology of Race & Ethnicity (3) SPA 101 Occupational Spanish I (3) SPA 102 Occupational Spanish II (3) SPE 155 Interpersonal Communications
Corrections Option	15	(3) CJS 206 Community Based Corrections (3) CJS 220 Ethics in Criminal Justice (3) CJS 225 Criminal Justice Management (3) CJS 250 Criminal Justice Internship (1-6) CJS 290 Topics in Criminal Justice (3) EMS 105 First Responder Emergency Aid (2) FRS 100 Intro to Emergency Services (3) HFE 251 Drugs in a Contemporary Society	(3) PLT 155 State & Local Government (not an option if used for Social Science) (3) PSY 275 Abnormal Psychology (3) SOC 251 Social Problems (3) SOC 256 Sociology of Deviance (3) SOC 260 Sociology of Race & Ethnicity (3) SPA 101 Occupational Spanish I (3) SPA 102 Occupational Spanish II (3) SPE 155 Interpersonal Communications

Social Service Option	15	(3) CJS 206 Community Based Corrections (3) CJS 250 Criminal Justice Internship (1-6) CJS 290 Topics in Criminal Justice (2) FRS 100 Intro to Emergency Services (3) HFE 251 Drugs in a Contemporary Society (3) HFE 252 Issues in Family Violence (3) PSY 251 Child Psychology	(3) PSY 265 Social Psychology (3) SOC 175 Sociology of Families (3) SOC 251 Social Problems (3) SOC 256 Sociology of Deviance (3) SOC 260 Sociology of Race & Ethnicity (3) SPA 101 Occupational Spanish I (3) SPA 102 Occupational Spanish II (3) SPE 155 Interpersonal Communications
Computer Forensics Option	15	(3) CJS 125 Principles of Criminal Investigation (3) CJS 250 Criminal Justice Internship (2) FRS 100 Intro to Emergency Services (3) NET 110 Network+ Certification Prep	(2) NET 180 Computer Security Awareness (4) NET 185 Ethical Hacking (4) NET 183 Security+ Certification Prep (3) SOC 256 Sociology of Deviance
Total Degree Credits	63		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 479-7521.

CULINARY MANAGEMENT

Program Overview

The hospitality & food service industry is one segment of the largest employment field in the world- travel and tourism. Students can prepare for this growing field through MCC's Culinary Management program and obtain additional industry certification by completing National Restaurant Association Educational Foundation (NRAEF) classes.

The program gives students the knowledge and hands-on skills needed for entry-level positions within various settings of the food service industry. Courses are designed to build a strong culinary foundation, with an emphasis on leadership and management skills, sustainable practices and food safety skills. Students complete the program by running Tartan Bistro, the student-run restaurant. Please visit **www.mchenry.edu/culinary** to see important program information including: the culinary student code of conduct, attendance expectations, culinary specific scholarships and current transfer agreements to 4 year Baccalaureate programs.

Program Costs

CLM 101 and PAS 101 course fees include the MCC required student uniform and toolkit. Additional recommended items will vary by class and some additional items will be available for purchase in the bookstore. Student uniforms will be ordered the first week of classes during CLM 101 & PAS 101.

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Culinary Management

Curriculum: OCC 410	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **or** 1 course from Social & Behavioral Sciences PSY 151 and SPA 151 recommended	3-4	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* (3) ART 150 Hum. Through Arts (3) ART 151 Art Appreciation (3) ART 155 Non-Western Art (3) ART 165 Ethnic Folk Art (3) ART 171 Art History I (3) ART 172 Art History II (3) ART 174 Studies in Cont Art (3) ART 175 History of Photo. (3) ENG (100 level and above excluding 105, 108, 151, 152, 250, 252) FRE (3) JRN 180 Intro. to Film (3) MUS 151 Music Apprec. (3) MUS 153 Intro. Non-Western Music (3) MUS 154 Intro. to Am. Music (3) MUS 171 Music History I (3) MUS 172 Music History II (3) PHI 151 Intro. to Philosophy (3) PHI 155 Intro. to Logic (3) PHI 160 Eastern Philosophy (3) PHI 240 Philosophy of Rel. (3) PHI 251 Intro. to Ethics (3) PHI 262 Found. Rel. Texts (3) PHI 261 Religions of World SPA (3) THE 151 Intro. to Theatre	**Social & Behavioral Sciences** Choose 1 course from the following prefixes or course numbers: (3) ANT 151 Intro. to Anthro. (3) ANT 155 Intro. to Archaeol. (3) ANT 160 Intro. Phys. Anthro. (3) ANT 170 Intro. Cult. Anthro. (3) ECO 150 Intro. Economics (3) ECO 251 Microeconomics (3) ECO 252 Macroeconomics (3) GEG 202 Geography of the Developed World (3) GEG 203 Geography of the Developing World (3) GEG 204 Economic Geog. (3) HIS 131 Western Civ. I (3) HIS 132 Western Civ. II (3) HIS 165 History of Latin Am. (3) HIS 170 US History I (3) HIS 172 US History II (3) PLT 150 Intro. Pol. Thought (3) PLT 151 US Government (3) PLT 155 State & Local Govt. (3) PLT 251 Internat'l. Relations (3) PLT 255 Comparative Govt. (3) PSY 151 Intro. to Psychology (3) PSY 250 Hum Dev/Life Span (3) PSY 251 Child Psychology (3) PSY 260 Intro. Gerontology (3) PSY 265 Social Psychology (3) SOC 151 Intro. to Sociology (3) SOC 175 Soc. of Families (3) SOC 251 Social Problems (3) SOC 260 Soc. of Race & Eth. (3) SOC 261 Soc. of Sex & Gen.

Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics and 1 course from Physical or Life Sciences	6-8	**Mathematics** (3) BUS 145 Business Applications of Mathematics MAT (100-level or above)	**Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM HRT
Program Core	47	(3) CLM 100 Intro to Professional Hospitality (7) CLM 101 Culinary Skills I (7) CLM 102 Culinary Skills II (5) CLM 103 Culinary Skills III (2) CLM 105 Sanitation and Safety (3) CLM 106 Culinary Nutrition **or** (3) HFE 250 Nutrition for Wellness	(3) CLM 107 Culinary and Hospitality Supervision (3) CLM 130 Inventory, Purchasing & Costing (4) CLM 140 Garde Manger and Int'l Cuisine (3) CLM 160 Menu Planning (7) CLM 208 Restaurant Operational Skills
Business Elective	0-2	(0-2) BUS 255 Business Internship (optional)	
Total Degree Credits	62-67		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Chef's Assistant I Certificate

Curriculum: OCC 411	Credit Hours	
Program Core	19	(3) CLM 100 Introduction to Professional Hospitality (7) CLM 101 Culinary Skills I (7) CLM 102 Culinary Skills II (2) CLM 105 Sanitation and Safety
Total Certificate Credits	19	

For more information, visit: **www.mchenry.edu/chef**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 455-8732.

EARLY CHILDHOOD EDUCATION

Program Overview

The field of early childhood education is filled with many exciting career opportunities! Potential careers include working directly with young children and their families through teaching in public and private schools, Head Start programs, child care centers, and family child care homes. Career opportunities also include supporting those who work directly with young children in occupations that include administration, curriculum development, policy advocates and lobbyists, coaches and mentors, licensing representatives, and providers of professional development. Our state and nation is currently facing a critical need for well-prepared early childhood practitioners, with an anticipated growth in career opportunities of 14% (U.S. Bureau of Labor Statistics Occupational Outlook Handbook, 2014).

The Department of Children and Family Services (DCFS) licensing standards for the state of Illinois sets the qualifications for preschool and child care teachers.

Currently, the minimum requirements to be teacher-qualified:

- 60 college credits with 6 of those credits in courses directly related to early childhood education or child development from birth to age 8.

  or

- 30 college credits with 6 of those credits in courses directly related to early childhood education or child development from birth to age 8, and one year (1,560 clock hours) of experience in a licensed preschool, child care center or kindergarten.

The minimum requirements to be director-qualified:

- Age of 21 or older
- 60 college credits with 18 of those credits in courses directly related to early childhood education or child development

  or

- 30 college credits with 10 of those credits in courses directly related to early childhood education or child development and proof of enrollment in college until 60 college credits have been achieved. A total of 18 hours in courses related directly to child care or child development is required within the total two years of college credits, plus two years (3,120 clock hours) of experience in a licensed preschool, child care center or kindergarten.

The state also requires each preschool/child care teacher to complete 15 clock hours of workshops or in-service per year. MCC courses and workshops can be used to meet this requirement.

The above qualifications are the state minimum. MCC encourages students to improve their skills and knowledge by completing the associate's degree in Early Childhood Education or one of the certificate programs. Students are encouraged to meet with the ECE department chair to plan the most appropriate program of study.

At MCC, we have a variety of pathways designed to support your professional growth. Whether you are interested in earning a Gateways Credential or are planning to transfer to a four-year program, we have the courses and opportunities to meet your education and career needs. MCC's Early Childhood Education Department has Entitled Institution status to award Level II through IV credentials to students who have completed the required courses for each type and level of credential. An Entitled Institution is a college or university who has aligned their coursework with credential requirements.

Each of our pathways is designed to support the attainment of Gateways Credentials. Illinois Gateways to Opportunity Early Childhood Credentials Levels 2-4 are for child care professionals working with children birth to age 8 who have specific levels of training, education, and experience.

The Gateways Credential is recognized by the Illinois Department of Human Services Bureau of Child Care and Development. Credentials are required for varied Circles of Quality in ExceleRate Illinois and can be used as a prerequisite for employment within early learning programs. To earn your Level 2-4 ECE Gateways Credential, you are required to follow a prescribed course of study. Please be sure to contact the ECE department chair for further information about this credential and required courses.

Students interested in completing a transferable degree at MCC, as well as those who wish to be preschool/child care teacher-qualified, may pursue an Associate in Science or an Associate in Arts degree by choosing electives from the ECE offerings. Some ECE prefix courses may not transfer to a four-year program. Students should check with an academic advisor about the Illinois Articulation Initiative and determine if ECE credits from MCC will be accepted at a four-year college.

Students may also check with the ECE department chair regarding the Career and Technical Education Initiative and high school articulation.

Program Prerequisite

While no prior experience is necessary to enroll in this program, students are expected to have writing skills equivalent to ENG 095, reading skills equivalent to RDG 090, and math skills equivalent to MAT 090. A criminal background check is required to complete ECE 250 (Early Childhood Practicum).

For more information, visit: **www.mchenry.edu/ece**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Early Childhood Education

Curriculum: OCC 320	Credit Hours		
General Education Core			
Communications 2 courses SPE 151 required	6	(3) ENG 105 Technical Communications or (3) ENG 151 Composition I	(3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics	3	**Mathematics** MAT (100 level or above)	
Program Core	38	(3) CDM 110 Computer Literacy for Windows (3) ECE 115 Early Childhood Education (3) ECE 120 Child Growth & Development (3) ECE 125 Nutrition, Health & Safety (3) ECE 131 Early Child Guidance & Observation (3) ECE 150 Child Study & Observation	(3) ECE 155 Child, Family, Community Relations (3) ECE 204 Early Childhood Language Arts (3) ECE 219 Early Childhood Science & Math (4) ECE 229 Early Child Curriculum & Activities (4) ECE 250 Early Childhood Practicum (3) EDU 253 Children with Exceptionalities
Program Electives	9	(3) ECE 118 The Professional Child Care Provider (3) ECE 121 Infant/Toddler Development & Care (3) ECE 209 Early Child Music/Rhythmic Activities (3) ECE 214 Early Childhood Art Activities	(3) ECE 234 Child Care Center Management (1-6) ECE 290 Topics in Early Childhood Education
Total Degree Credits	62		

Note: Completion of this coursework is required to obtain and be awarded the Level IV Early Childhood Illinois Gateways to Opportunity Credential.

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Early Childhood Education—Level lll Certificate

Curriculum: OCC 321	Credit Hours		
General Education Core			
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts and 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* (3) ENG 105 (3) ENG 151	**Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics	3	**Mathematics** *Select 1 course from the following prefix:* MAT (100 level or above)	
Program Core	19	(3) ECE 115 Early Childhood Education (3) ECE 120 Child Growth & Development (3) ECE 125 Nutrition, Health & Safety (3) ECE 150 Child Study & Observation (3) ECE 155 Child, Family, Community Relations	(4) ECE 229 Early Child Curriculum & Activities
Total Certificate Credits	28		

Note: Completion of this coursework is required to obtain and be awarded the Level III Early Childhood Illinois Gateways to Opportunity Credential.

For more information, visit: **www.mchenry.edu/ece3**

Requirements for the Early Childhood Education—Level ll Certificate

Curriculum: OCC 322	Credit Hours		
Program Core	19	(3) ECE 115 Early Childhood Education (3) ECE 120 Child Growth & Development (3) ECE 125 Nutrition, Health & Safety (3) ECE 150 Child Study and Observation (3) ECE 155 Child, Family, Community Relations	(4) ECE 229 Early Child Curriculum & Activities
Total Certificate Credits	19		

Note: Completion of this coursework is required to obtain and be awarded the Level II Early Childhood Illinois Gateways to Opportunity Credential.

For more information, visit: **www.mchenry.edu/ece2**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 321 Early Childhood Education Level III Certificate

For more information, contact the department chair: (815) 455-8690.

EMERGENCY MEDICAL TECHNICIAN

Program Overview

Career opportunities for professionally trained emergency medical personnel are growing. The need to stabilize accident victims and others in medical crisis at the scene—prior to transport to a health care facility—makes paramedics integral members of the health care team.

In cooperation with Northwestern Medicine McHenry Hospital and the McHenry Western Lake County EMS System, MCC provides specialized emergency medical technician courses for those interested in entering this vital field. The Emergency Medical Technician – Paramedic Program leads to an associate's degree; there are also certificate programs to provide education and development opportunities for those currently working in emergency health care.

For more information, visit: **www.mchenry.edu/ems**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Emergency Medical Technician—Paramedic

Curriculum: OCC 500	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 105, ENG 151 or SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences PSY 151, PHI 251, SOC 151 or SOC 251 recommended	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology MAT 150 or MAT 161 recommended	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Program Core	45-49	(4) BIO 110 Intro to Human Biology **or** (4) BIO 157 Fundamentals of Biology (3) EMS 105 First Responder Emergency Aid **or** (7) NAE 100 Basic Nursing Assistant (3) PHI 255 Living with Death **or** (3) PHI 251 Intro to Ethics	(3) CDM 110 Computer Literacy for Windows (7) EMS 110 EMT-Basic (7) EMS 120 EMT-Paramedic-Module I (5) EMS 121 EMT-Paramedic-Module II (5) EMS 122 EMT-Paramedic-Module III (2) EMS 123 EMT-Paramedic-Internship (3) MGT 150 Principles of Management (3) PSY 250 Human Development Over the Life Span
Program Electives	6	(2) FRS 100 Intro to Emergency Services (3) FRS 101 Intro to Fire Science (15) FRS 150 Basic Operations Firefighter	(3) FRS 222 Fire Service Instructor I (3) FRS 290 Topics in Fire Science (1) HFE 120 Physical Fitness (3) MGT 205 Creative Leadership (3) MGT 210 Human Resources Management
Total Degree Credits	66-70		

Other Requirements:

NOTE: Enrollment in EMS 110, 120, 121, 122 and 123 is limited to students who meet the following qualifications:

- For EMS 110: Criteria 1, 2, 3 and 4.
- For EMS 120: BIO 110 or BIO 157 and Criteria 2, 3, 4, 5 and 6.
- For EMS 121, 122 and 123: Criteria 2, 3, 4, 5 and 6.

Enrollment Criteria

1. Completion of EMS 105 or NAE 100 with a grade of C or higher, or the consent of the Centegra Department of EMS
2. Evidence of high school diploma/GED and 18 years of age to be eligible for state of Illinois licensure exam
3. Evidence of recent physical exam (within last six months) and immunization status for measles (rubeola), tetanus, TB, hepatitis B, chicken pox (varicella) and influenza.
4. Evidence of current health care provider CPR certification
5. Illinois licensed EMT-B: six months pre-hospital patient experience required
6. Completion of entrance pretest with a score of 75% or greater, EMTB Skill Validation and interview with the EMS System Coordinator and Paramedic Program Instructor

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Emergency Medical Technician—Ambulance Certificate

Curriculum: OCC 502	Credit Hours	
Program Core	7	(7) EMS 110 EMT-Basic
Total Certificate Credits	7	

For more information, visit: **www.mchenry.edu/emtambulance**

Requirements for the Emergency Medical Technician—Paramedic Certificate

Curriculum: OCC 501	Credit Hours		
Program Core	33-39	(4) BIO 110 Intro to Human Biology **or** (4) BIO 157 Fundamentals of Biology (3) EMS 105 First Responder Emergency Aid **or** (7) NAE 100 Basic Nursing Assistant	(7) EMS 110 EMT-Basic (7) EMS 120 EMT-Paramedic-Module I (5) EMS 121 EMT-Paramedic-Module II (5) EMS 122 EMT-Paramedic-Module III (2) EMS 123 EMT-Paramedic-Internship
Total Certificate Credits	33-39		

For more information, visit: **www.mchenry.edu/emtparamedic**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 501 Emergency Medical-Technician—Paramedic Certificate

For more information, contact the department chair: (815) 455-8565.

ENGINEERING TECHNOLOGY

Program Overview

The Engineering Technology program enables graduates to work in the field of engineering technology specializing in the areas of mechanical or industrial engineering technology. The programs are designed to meet the growing need created by the technology revolution for college-educated problem solvers who can support the engineering process.

The Engineering Technology Program includes scientific and engineering principles relevant to a student's chosen field. Students will come to understand why a system is designed in a particular fashion and how it works.

In addition, engineering technology students will acquire hands-on technical skills that enable them to solve production and system implementation problems and help them explain solutions.

The Computer Numerical Control (CNC) Machining Program is designed for students interested in operating CNC equipment. The program focuses on machining operations using the mill and lathe. The skills learned in this program are directly applicable in the operation of computer-controlled machines performing one or more machine functions on metal or plastic work pieces. Students will be introduced to CNC programming using G codes and conversational programming.

For more information, visit: **www.mchenry.edu/engrtech**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Engineering Technology

Curriculum: OCC 155	**Credit Hours**		
General Education Core			
Communications **2 courses**	6	(3) ENG 105 Technical Communication (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences PHI 251 and SOC 151 recommended	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics	3-5	**Mathematics** **Option 1** (3) MAT 106 Tech Math II	**Option 2** (5) MAT 165 College Algebra w/ Trigonometry

Program Core	39	(3) AET 151 Computer Aided Design Graphics I (3) AET 152 Computer Aided Design Graphics II **or** (3) AET 172 Parametric Modeling SolidWorks II (3) AET 171 Parametric Modeling SolidWorks I (3) IMT 100 Intro to Manufacturing (3) IMT 102 Manufacturing Processes (3) IMT 103 Materials of Industry (3) IMT 104 Blueprint Reading for Manufacturing	(3) IMT 105 Introduction to Manual Machining (3) IMT 106 CNC Programming I (3) IMT 120 Metrology for Quality **or** (3) IMT 121 Quality Practices and Management (3) IMT 250 Manufacturing Internship **or** (3) AET 261 Technical Portfolio Design I (6) AET elective subject to department chair approval
Please select one of the following options: Mechanical, Industrial or Automation (12 credit hours required)			
Mechanical Option	12	(3) AET 271 Applied Statics **or** (3) IMT 109 Mechanics of Materials (3) IMT 155 CNC Programming II (6) AET elective subject to department chair approval	
Industrial Option	12	(3) AET or IMT elective subject to department chair approval (3) IMT 117 Supply Chain Management I (3) IMT 210 Continuous Improvement Practices (3) IMT 215 Supply Chain Management II	
Automation Option	12	(3) ROB 110 Intro to Robotics Choose 9 credits from the following: (3) ROB 115 Introduction to Electronics (3) ROB 116 Electricity and Automatic Controls (3) ROB 145 Hydraulics, Pneumatics and Controls (3) ROB 150 PLC Automation Applications I (3) ROB 151 PLC Automation Applications II	
Total Degree Credits	66-68		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for CNC Machining Certificate

Curriculum: OCC 156	Credit Hours	
Program Core	18	(3) IMT 100 Intro to Manufacturing (3) IMT 104 Blueprint Reading for Manufacturing (3) IMT 105 Introduction to Manual Machining (3) IMT 106 CNC Programming I (3) IMT 155 CNC Programming II (3) MAT 106 Technical Mathematics II
Total Certificate Credits	18	

For more information, visit: **www.mchenry.edu/cnc**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, *all* required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 479-7521.

FIRE SCIENCE

Program Overview

Fire service personnel perform the critical work of saving lives and protecting property. This work is often thought of as exciting and rewarding, but it is carried out in difficult and often life-threatening conditions and requires highly trained, physically fit professionals. It also requires an increasing level of technical knowledge, including principles of building construction and design, chemicals and codes, and modern methods of extinguishing a fire.

The Fire Science Program at MCC provides opportunities for a range of students and working professionals in this important field:

- Students preparing for a career in fire suppression develop the skills and knowledge for an entry-level position. The program includes a balance of classroom sessions and practical hands-on training.
- Career and volunteer firefighters increase their knowledge, upgrade their job skills and enhance their personal growth. The program also offers instruction in fire service management and operations.
- Students and professionals in related fields—e.g., fire protection engineering, insurance investigations and inspection services, and fire service instruction/training—expand their knowledge base through this program.

Students who plan to pursue a bachelor's degree may take advantage of transfer opportunities with Northern Illinois University, Southern Illinois University Carbondale, and Western Illinois University. Since these baccalaureate programs have specific course and admission requirements, it is important for interested students to work with the department chair of Fire Science and academic advisors.

NOTE: *It is strongly recommended that students interested in this program meet with the department chair of Fire Science prior to enrolling.*

For more information, visit: **www.mchenry.edu/firescience**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Fire Science

Curriculum: OCC 550	**Credit Hours**		
General Education Core			
Communications 2 courses SPE 151 required; ENG 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC

Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	30	(3) EMS 105 First Responder Emergency Aid (3) FRS 101 Intro to Fire Science (3) FRS 121 Fire Suppression (3) FRS 122 Building Construction – Fire Science (3) FRS 123 Fire Protection Systems (3) FRS 223 Fire Service Tactics & Strategies	(3) FRS 224 Fire Prevention Principles (3) FRS 240 Fire Behavior and Combustion (3) FRS 245 Principles Fire/EMS Safety & Surv (3) MAT 150 Elements of Mathematics **or** (3) MAT 161 College Algebra
Program Electives	16	(7) EMS 110 EMT – Basic (2) FRS 100 Intro to Emergency Services (15) FRS 150 Basic Operations Firefighter (3) FRS 222 Fire Service Instructor I (1-6) FRS 250 Fire Science Practicum	(3) FRS 252 Haz-Mat First Responder – Operations (3) FRS 253 Fire Apparatus Engineer (3) FRS 270 Legal Aspects of Emergency Services (3) FRS 272 Fire & Emergency Services Admin (3) FRS 278 Safetry & Health for Emergency Serv (3) FRS 283 Fire Investigation I (3) FRS 284 Fire Investigation II (3-9) FRS 290 Topics in Fire Science (3) MGT 150 Principles of Management (3) PHI 255 Living with Death (3) SPE 155 Interpersonal Communication
Total Degree Credits	61		

NOTE: *Students can apply credit toward an MCC degree or certificate with FRS 150 or 252, but not both.*

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Firefighter Basic Certificate

The Firefighter Basic Certificate Program prepares individuals who are affiliated with a fire department to sit for the Office of the State Fire Marshal (OSFM) Firefighter Basic Exam. Knowledge and skills required for fire suppression activities are the focus of this certificate.

Curriculum: OCC 551	Credit Hours	
Program Core	15	(15) FRS 150 Basic Operations Firefighter
Total Certificate Credits	15	

For more information, visit: **www.mchenry.edu/firefighter**

NOTE: *Individuals participating in coursework for the Firefighter Basic Certificate must be affiliated with a fire department as required by the Illinois Administrative Code, which may require meeting that department's hiring practices. Sponsoring agency must have an equipment agreement on file with the College's Business Service Office.*

Other Requirements:

Some fire science courses offered are eligible for state certification. Upon successful completion, qualified students who are engaged in an organized Illinois fire department as a fire protection person or trainee according to the Illinois Administrative Code (Chapter 85, Section 140.50a, Paragraph 521 et seq.) as attested to by the Illinois Fire Chief of the individual seeking certification may challenge the OSFM Certification Exams. Here are the courses and corresponding exams:

Course(s)	OSFM Exam(s)
FRS 150	Basic Operations Firefighter
FRS 222	Fire Service Instructor I
FRS 252	Haz-Mat First Responder Operations
FRS 253	Fire Apparatus Engineer

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 455-8565.

GRAPHIC ARTS

Program Overview

The Graphic Arts program at MCC enables students committed to their education to complete their Associate of Applied Science Degree in Graphic Arts. Students then utilize their newly-acquired knowledge of Graphic Design to pursue opportunities in entry-level positions in the field of graphic and web design. Occupations could include graphic designer, production artist, web designer, advertising designer, illustrator, layout artist, line artist, freelance designer or other positions that give them the opportunity to use computer and artistic skills in the graphic design industry. In the graphic arts program, students utilize their artistic talents and develop enhanced technical and creative proficiencies. Students will develop a strong foundation in the use of the principles and elements of design as they relate to the field of graphic design. The program is designed to foster an understanding of the role of form, function, creativity and critical review in the creation of images and typography for visual communication.

Students learn techniques using computer-based applications and traditional approaches in design, drawing and illustration. Using a balance of traditional and technical artistic studies, students gain the ability to solve visual communications issues and better represent new ideas. While they enhance their knowledge in typography and image creation, students conceptualize, design, and produce graphic elements in a wide variety of media. As students work to develop an expansive portfolio through projects such as magazine ads and covers, book and book jacket designs, brochures, posters, billboards, advertising campaigns, packaging design, type design, web and interactive design, motion graphics and animation, students also develop and expand their knowledge and techniques in graphic design.

For more information, visit: **www.mchenry.edu/graphicarts**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Graphic Arts

Curriculum: OCC 4200	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I	(3) ENG 152 Composition II **or** (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** (3) ART 168 Computer Art **Social & Behavioral Sciences** *Choose 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography	**Social & Behavioral Sciences cont'd.** HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics **or** Physical or Life Sciences	3	**Mathematics** *Select from the following prefix:* MAT (100-level or above)	**Physical or Life Sciences** *Select from the following prefixes* BIO CHM EAS
Program Core	39	(3) ART 167 Graphic Design I (3) DGM 107 Intro to Digital Legalities (3) DGM 123 Digital 2D Design (3) DGM 125 Digital Drawing 1 (3) DGM 275 Portfolio Design (3) GRA 100 Adobe Design Suite (3) GRA 180 History of Graphic Design	(3) GRA 183 Typography (3) GRA 185 Color Theory (3) GRA 267 Graphic Design II (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1

Program Electives	6	Select from the following prefixes and course numbers ANI, DGM, GRA, MKT, PRG, WEB, ART 250, ART 252.
Total Degree Credits	60	

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Fundamentals of Design Certificate

Curriculum: OCC 4210	**Credit Hours**	
Program Core	15	(3) CDM 110 Computer Literacy for Windows (3) DGM 123 Digital 2D Design (3) GRA 100 Adobe Design Suite (3) GRA 185 Color Theory (3) WEB 105 Web Fundamentals
Total Certificate Credits	15	

For more information, visit: **www.mchenry.edu/design**

Requirements for the Graphic Design Certificate

Curriculum: OCC 4220	**Credit Hours**	
Program Core	27	(3) CDM 110 Computer Literacy for Windows (3) DGM 123 Digital 2D Design (3) DGM 125 Digital Drawing 1 (3) GRA/ART 167 Graphic Design I (3) GRA 100 Adobe Design Suite (3) GRA 183 Typography (3) GRA 185 Color Theory (3) GRA 267 Graphic Design II (3) WEB 105 Web Fundamentals
Total Certificate Credits	27	

For more information, visit: **www.mchenry.edu/graphicdesign**

Requirements for the Web Design Certificate

Curriculum: OCC 4230	Credit Hours	
Program Core	27	(3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) DGM 170 Digital Video Production (3) ENG 108 Writing for the Web (3) GRA 100 Adobe Design Suite (3) GRA 185 Color Theory (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1
Total Certificate Credits	27	

For more information, visit: **www.mchenry.edu/webdesign**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment, as directed by this department for OCC 4230 Web Design Certificate

HEALTH AND FITNESS EDUCATION

Program Overview

The Health and Fitness Education (HFE) Department at MCC provides two levels of credentials designed to prepare and/or enhance preparation for new and/or existing health-fitness careers. The Fitness Instructor Training (FIT) certificate is a great starting point and includes 28 credit hours that can be completed in as little as three consecutive semesters. For those seeking a degree, the AAS in HFE can be completed in as little as two years. You will find great flexibility with both of these programs, as all of the courses found in the FIT certificate can be applied to the AAS in HFE. Many students will gain employment after receiving the FIT certificate and continue working towards their degree.

Health-fitness professionals hold a variety of positions including personal fitness trainer, small-group exercise instructor, exercise testing and prescription technician, and fitness/exercise instructor. Health-fitness management positions include personal training manager, fitness manager, and supervisor of wellness services. An additional, new and emerging professional area is known as fitness or wellness coaching.

Job Outlook

According to the U.S. Bureau of Labor Statistics, the occupation of Fitness Trainer and Instructors is expected to grow by 13 percent between 2014 to 2024 nationwide. A 16.6 percent annual employment growth rate exists at the state level. Time magazine recently ranked fitness as one of the top 10 growth industries for the next five to 10 years.

Certifications

The MCC curriculum incorporates learning resources from the American College of Sports Medicine (ACSM), the National Strength and Conditioning Association (NSCA), the National Academy of Sports Medicine (NASM), and other national governing bodies. As students complete coursework, they are also preparing for a variety of national certifications. Most students choose to pursue at least one of these certifications before they graduate, making themselves more marketable in the field.

For more information, visit: **www.mchenry.edu/hfe**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the FIT program advisor/department chair.

Requirements for the Associate in Applied Science (AAS) in Health and Fitness Education

Curriculum: OCC 341	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences 2 courses from Social & Behavioral Sciences	6	**Social & Behavioral Sciences** *Select one course from the following:* (3) ANT 151 Intro. to Anthropology **or** (3) ANT 170 Intro. to Cultural Anthropology (3) SOC 151 Intro. to Sociology **or** (3) SOC 251 Social Problems	
Mathematics, Physical or Life Sciences, Technology Select 1 course from Physical or Life Sciences	3-4	**Physical or Life Sciences** (3) BIO 138 Heredity, Ethics and Society (4) BIO 157 Fundamentals of Biology	(4) BIO 263 Human Anatomy & Physiology I
Program Core	48	(1) HFE 105 Yoga I **or** (1) HFE 106 Tai Chi (1) HFE 120 Physical Fitness (1) HFE 121 Strength Training I (3) HFE 150 Contemporary Health Issues (3) HFE 152 Women's Health Issues (2) HFE 151 First Aid & CPR (3) HFE 161 Personal Fitness (2) HFE 170 Fitness Professions (3) HFE 171 Exercise Science I (2) HFE 175 Group Exercise Principles (2) HFE 176 Strength & Conditioning Principles	(3) HFE 250 Nutrition for Wellness (3) HFE 251 Drugs in a Contemporary Society (3) HFE 255 Stress Management (3) HFE 260 Exercise Psychology and Motivation (3) HFE 270 Exercise Testing & Program Design (3) HFE 271 Exercise Science II (2) HFE 278 Application of Fitness Instruction (2) HFE 279 HFE Internship (3) PSY 151 Intro. to Psychology
Total Degree Credits	63-64		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Fitness Instructor Training Certificate

Curriculum: OCC 340	Credit Hours		
Program Core	28	(1) HFE 121 Strength Training I (3) HFE 150 Contemporary Health Issues (2) HFE 151 First Aid & CPR (2) HFE 170 Fitness Professions (3) HFE 171 Exercise Science I (2) HFE 175 Group Exercise Principles (3) HFE 250 Nutrition for Wellness	(3) HFE 255 Stress Management **or** (3) HFE 260 Exercise Psychology and Motivation **or** (3) HFE 280 Health Coaching (3) HFE 270 Exercise Testing & Program Design (3) HFE 271 Exercise Science II (2) HFE 278 Application of Fitness Instruction (1) HFE 279 HFE Internship
Total Certificate Credits	28		

For more information, visit: **www.mchenry.edu/fit**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 455-8534.

HEALTH INFORMATION TECHNOLOGY

Program Overview

The Health Information Technology degree program is designed to provide students with knowledge, skills and abilities required for an entry position in the field of health information. The health information professional maintains, compiles and reports health information data for reimbursement, facility planning, risk management, quality assessment and research, abstracts and codes clinical data using appropriate classification systems, and analyzes health records according to standards. This program combines academic and technical studies as well as a professional practice experience in healthcare facilities. Students must be available for professional practice placement during daytime business hours, and are required to provide their own transportation to assigned sites.

For more information, visit: **www.mchenry.edu/hit**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Health Information Technology

Curriculum: OCC 209	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** (3) PSY 151 Introduction to Psychology
Mathematics, Physical or Life Sciences, Technology Select 1 course from Physical or Life Sciences	4	**Physical or Life Sciences** (4) BIO 110 Introduction to Human Biology	
Program Core	44	(3) AOM 135 Medical Terminology (3) CDM 110 Computer Literacy for Windows (3) HIT 137 Basic CPT Coding (3) HIT 138 ICD Coding (3) HIT 139 Healthcare Reimbursement (3) HIT 160 Introduction to HIT (3) HIT 180 Healthcare Delivery Systems (3) HIT 210 Healthcare Law and Ethics (2) HIT 220 Quality & Performance Improvement	(3) HIT 235 HIT Pathophysiology and Pharmacology (3) HIT 237 Advanced CPT and ICD Coding (3) HIT 240 Electronic Health Records (3) HIT 260 Healthcare Management (3) HIT 270 Healthcare Statistics and Research (3) HIT 280 Practicum
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 455-8713.

Requirements for the Medical Billing and Coding Certificate

Curriculum: OCC 2065	Credit Hours	
Program Core	28	(3) AOM 135 Medical Terminology (4) BIO 110 Introduction to Human Biology (3) CDM 110 Computer Literacy for Windows (3) HIT 137 Basic CPT Coding (3) HIT 138 ICD Coding (3) HIT 139 Healthcare Reimbursement (3) HIT 160 Intro to Health Info Technology (3) HIT 235 Pathophysiology & Pharmacology (3) HIT 237 Advanced CPT/ICD Coding
Total Certificate Credits	28	

For more information, visit: **www.mchenry.edu/medicalbilling**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair: (815) 455-8713.

HORTICULTURE

Program Overview

MCC's Horticulture Program provides high-quality educational opportunities for students in the areas of landscape design and management, turf management, gardening, greenhouse crop production, fruit and vegetable crop production, interiorscaping and floral design.

Growing and caring for vegetables, fruits, flowers, turf, and ornamental trees and shrubs is a rapidly growing, multimillion dollar industry in Illinois. With increasing urbanization, demand is expected to continue for well-trained workers at all levels.

MCC prepares students for the growing industry through an AAS degree in horticulture with specialties in floral design, greenhouse, landscape, and urban agriculture. Certificates are available in floral design, gardening, greenhouse, landscape management, and turf and golf course management.

Students come away with a solid knowledge of plant production and maintenance, ready for positions in flower shops, greenhouses, garden centers, golf courses, parks, nurseries, turf and landscape businesses, interiorscape maintenance companies, fruit and vegetable production operations, and the seed and supply industry.

The AAS degree requires an internship that gives students insight into the day-to-day operations of running a flower shop, landscape design or other horticulture business.

For more information, visit: **www.mchenry.edu/horticulture**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Horticulture

Curriculum: OCC 180	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 105 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Physical or Life Sciences	4	**Physical or Life Sciences** (4) HRT 103 Intro to Plant Science	

Program Core	23	(4) CHM 164 Introductory Chemistry **or** (4) CHM 115 Chemistry and Society **or** (4) EAS 120 Intro. to Meteorology **or** (4) GEL105 Physical Geology	(3) HRT 100 Intro to Horticulture (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management (3) HRT 250 Horticulture Internship (3) HRT 251 Integrated Pest Management (3) MGT 210 Human Resources Management
Program Electives	3	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship	(3) BUS 162 Entrepreneurship Business and Planning (3) HRT 222 Flower Shop Management
Please select one of the following options: Floral Design Specialty, Greenhouse Specialty, Landscape Specialty or Urban Agriculture Specialty ***NOTE:*** *Students must select a minimum of 6 courses or 18 credit hours. Of these, 4 courses or 12 credit hours must be within one specialty grouping listed below; the remaining 6 credit hours may be chosen from the same or another specialty.*			
Floral Design Specialty Option	12	(3) HRT 120 Basic Floral Design (3) HRT 125 Intermediate Floral Design (3) HRT 130 Fall Greenhouse Production (3) HRT 221 Advanced Floral Design	(3) HRT 222 Flower Shop Management (3) HRT 229 Silk & Dried Floral Design (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
Greenhouse Specialty Option	12	(3) HRT 112 Horticulture Mechanics (3) HRT 120 Basic Floral Design (3) HRT 130 Fall Greenhouse Production (3) HRT 159 Landscape Perennials	(3) HRT 222 Flower Shop Management (3) HRT 231 Spring Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
Landscape Specialty Option	12	(3) ART 153 2D Design (3) ART 156 Drawing I (3) AET 151 Computer Aided Design Graphics I (3) HRT 112 Horticultural Mechanics (3) HRT 159 Landscape Perennials (3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design	(3) HRT 181 Turf & Lawn Management (3) HRT 264 Arboriculture (3) HRT 265 Landscape CAD (3) HRT 266 Landscape Construction (3) HRT 282 Golf Course & Sports Turf Management (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
Urban Agriculture Specialty Option	12	(3) HRT 112 Horticultural Mechanics (3) HRT 135 Fruit and Vegetable Crops (3) HRT 203 Introduction to Hydroponics (3) HRT 205 Organic and Sustainable Practices	(3) HRT 231 Spring Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study
Specialty Option Electives	6	See above choices within specialties	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Floral Design Certificate

Curriculum: OCC 185	**Credit Hours**		
Program Core	15	(3) HRT 120 Basic Floral Design (3) HRT 125 Intermediate Floral Design (3) HRT 221 Advanced Floral Design	(3) HRT 222 Flower Shop Management (3) HRT 229 Silk & Dried Floral Design
Program Electives 6 credit hours	6	(3) ART 253 3D Design (3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture	(4) HRT 103 Intro to Plant Science (3) HRT 130 Fall Greenhouse Production (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) MKT 130 Professional Selling (3) SPA 101 Occupational Spanish I
Total Certificate Credits	21		

For more information, visit: **www.mchenry.edu/floraldesign**

Requirements for the Gardening Certificate

Curriculum: OCC 182	Credit Hours		
Program Core	17	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 135 Fruit and Vegetable Crops (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 299 Horticulture Independent Study (Master Gardener Training) **or** (3) HRT 100 Intro to Horticulture
Program Electives 3 credit hours	3	(3) HRT 130 Fall Greenhouse Production (3) HRT 159 Landscape Perennials (3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 181 Turf & Lawn Management	(3) HRT 231 Spring Greenhouse Production (3) HRT 251 Integrated Pest Management (3) HRT 264 Arboriculture (3) HRT 290 Topics & Issues in Horticulture
Total Certificate Credits	20		

For more information, visit: **www.mchenry.edu/gardening**

Requirements for the Greenhouse Certificate

Curriculum: OCC 181	Credit Hours		
Program Core	22	(4) HRT 103 Plant Science (3) HRT 112 Horticulture Mechanics (3) HRT 130 Fall Greenhouse Production (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 159 Landscape Perennials (3) HRT 231 Spring Greenhouse Production (3) HRT 251 Integrated Pest Management
Program Electives 6 credit hours	6	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (4) HRT 105 Intro to Soil Science (3) HRT 120 Basic Floral Design	(3) HRT 125 Intermediate Floral Design (3) HRT 203 Introduction to Hydroponics (3) HRT 221 Advanced Floral Design (3) HRT 222 Flower Shop Management (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
Total Certificate Credits	28		

For more information, visit: **www.mchenry.edu/greenhouse**

Requirements for the Landscape Management Certificate

Curriculum: OCC 184	Credit Hours		
Program Core	32	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management (3) HRT 159 Landscape Perennials	(3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design (3) HRT 181 Turf & Lawn Management (3) HRT 251 Integrated Pest Management (3) HRT 264 Arboriculture (3) HRT 266 Landscape Construction
Program Electives 3 credit hours	3	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (3) HRT 112 Horticultural Mechanics	(3) HRT 130 Fall Greenhouse Production (3) HRT 231 Spring Greenhouse Production (3) HRT 265 Landscape CAD (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
Total Certificate Credits	35		

For more information, visit: **www.mchenry.edu/landscape**

Requirements for the Turf and Golf Course Management Certificate

Curriculum: OCC 183	Credit Hours		
Program Core	20	(4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science (3) HRT 150 Plant Problem Diagnosis & Management	(3) HRT 181 Turf & Lawn Management (3) HRT 251 Integrated Pest Management (3) HRT 282 Golf Course & Sports Turf Management
Program Electives 9 credit hours	9	(3) BUS 150 Intro to Business (3) BUS 160 Intro to Entrepreneurship (3) BUS 162 Entrepreneurship Business and Planning (3) HRT 100 Intro to Horticulture (3) HRT 112 Horticulture Mechanics (3) HRT 159 Landscape Perennials	(3) HRT 160 Trees & Shrubs in the Landscape (3) HRT 161 Landscape Design (3) HRT 264 Arboriculture (3) HRT 266 Landscape Construction (3) HRT 290 Topics & Issues in Horticulture (3) HRT 299 Horticulture Independent Study (3) SPA 101 Occupational Spanish I
Total Certificate Credits	29		

For more information, visit: **www.mchenry.edu/turfandgolf**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 184 Landscape Management Certificate

For more information, contact the department chair: (815) 455-8750.

INDUSTRIAL MAINTENANCE TECHNICIAN

Program Overview

This program is designed to train students to maintain and repair machinery that is found in industrial applications, specifically manufacturing. Students will develop an understanding of industrial machines and how they operate. This will include developing entry level skills in electronics, robotics, hydraulics, pneumatics and programmable logic controls.

Requirements for the Industrial Maintenance Technician Certificate

Curriculum	Credit Hours		
Program Core	33	(3) AET 151 Comp. Aided Design Graphics I (3) IMT 104 Blueprint Reading for Manufacturing (3) IMT 105 Introduction to Manual Machining (3) IMT 135 Maintenance Management (3) MAT 106 Technical Math II **or** (3) MAT 107 Math for Electronics	(3) ROB 110 Introduction to Robotics (3) ROB 115 Introduction to Electronics (3) ROB 116 Electricity and Automatic Controls (3) ROB 145 Hydraulics, Pneumatics and Controls (3) ROB 150 PLC Automation Applications I (3) ROB 151 PLC Automation Applications II
Total Degree Credits	33		

For more information, visit: **www.mchenry.edu/industrial**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department.

For more information, contact the department chair: (815) 479-7511.

MANUFACTURING MANAGEMENT

Program Overview

The constantly changing manufacturing sector calls for well-trained, adaptable supervisors. Businesses need first- and second-line supervisors who are capable of interpreting policies to employees, setting work goals, improving communications and interpersonal relationships, maintaining discipline, and motivating employees.

MCC's Manufacturing Management program prepares students for these manufacturing leadership positions. The curriculum is designed for those who have experience in manufacturing and want to gain the managerial skills necessary for promotion.

Offerings include two certificates and an associate's degree. The degree program covers supervisory skills; manufacturing materials, processes and procedures; and managerial functions, focusing on actual workplace issues. Later courses provide more concentrated study in production and inventory control, plant layout and material handling, personnel relations, cost and quality control, and maintenance and safety practices.

The courses in this program are arranged in a sequence that provides optimal learning opportunities. Students are required to follow the integrated program sequence.

For more information, visit: **www.mchenry.edu/manufacturing**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Manufacturing Management

Curriculum: OCC 150	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 151 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Social & Behavioral Sciences Select 1 course from Social & Behavioral Sciences SOC 151 recommended	3	**Social & Behavioral Sciences** *Select from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC	

Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, and 1 course from Technology AET 151 and MAT 106 recommended	6	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	36	(3) IMT 102 Manufacturing Processes (3) IMT 103 Materials of Industry (3) IMT 104 Blueprint Reading for Manufacturing (3) IMT/MGT 110 Supervisory Responsibility (3) IMT 112 Training the Trainer (3) IMT 116 Industrial Safety Management (3) IMT 117 Supply Chain Management I (3) IMT 120 Metrology for Quality **or** (3) IMT 121 Quality Practices & Management	(3) IMT 135 Maintenance Management (3) IMT 210 Continuous Improvement Practices (3) IMT 215 Supply Chain Management II (3) IMT 261 Technical Portfolio Design I
Program Electives	9	*Select from the following prefixes and courses:* AET or IMT elective subject to department chair approval	(3) MGT 150 Principles of Management
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Manufacturing Processes Certificate

Curriculum: OCC 152	Credit Hours		
General Education Core			
Communications 2 courses ENG 151 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts or 1 course from Social & Behavioral Sciences SOC 151 recommended	3	**Humanities & Fine Arts** *Select from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** Select from the following prefixes or course numbers: ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, and 1 course from Technology MAT 106 and AET 151 recommended	6	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** Select from the following prefixes or course numbers: BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Core	24	(3) IMT 102 Manufacturing Processes (3) IMT 103 Materials of Industry (3) IMT 104 Blueprint Reading for Manufacturing (3) IMT/MGT 110 Supervisory Responsibility (3) IMT 112 Training the Trainer (3) IMT 116 Industrial Safety Management	(3) IMT 121 Quality Practices & Management **or** (3) IMT 120 Metrology for Quality (3) IMT 261 Technical Portfolio Design I
Program Electives	6	*Select from the following prefixes or course numbers:* AET elective subject to department chair approval (3) AOM 131 Spreadsheet Applications I (3) CDM 110 Computer Literacy for Windows	
Total Degree Credits	45		

For more information, visit: **www.mchenry.edu/manufacturingprocess**

Requirements for the Manufacturing Supervision Certificate

Curriculum: OCC 151	Credit Hours		
Program Core	15	(3) IMT 102 Manufacturing Processes (3) IMT 103 Materials of Industry (3) IMT/MGT 110 Supervisory Responsibility	(3) IMT 112 Training the Trainer (3) IMT 116 Industrial Safety Management
Program Electives	12	*Select 2 courses from the following* (ENG 151 and SPE 151 recommended): (3) ENG 105 Technical Communications (3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech *Select 1 course or 3 credits from the following prefixes or courses:* (MAT 106 recommended) BIO, CHM, EAS, GEL, MAT, PHY (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 Global Environment (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science	*Select 1 course or 3 credits from the following prefixes or course:* AET or IMT elective subject to department chair approval
Total Certificate Credits	27		

For more information, visit: **www.mchenry.edu/manufacturingsupervision**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 152 Manufacturing Processes Certificate

For more information, contact the department chair: (815) 479-7521.

MARKETING

Program Overview

Marketing is a critical function within any company or organization. Marketers handle promotion, pricing, product development and distribution of goods and services, as well as marketing research and strategy. They must stay abreast of current trends, developments and ideas in order to effectively target and connect with customers.

Marketing is a dynamic field that offers career opportunities in e-commerce, international marketing, manufacturing, wholesaling, retailing, advertising, merchandising, selling, customer service and public relations.

MCC's Marketing Program gives students the knowledge, theory, tools and tactics to succeed in the field. The curriculum includes general marketing education as well as opportunities for specialization.

For more information, visit: **www.mchenry.edu/marketing**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Marketing

Curriculum: OCC 130	**Credit Hours**		
General Education Core			
Communications 2 courses ENG 151 and SPE 151 recommended	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences ECO 251 and PHI 251 recommended	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Program Core	42	(3) ACC 151 Financial Accounting (3) AOM 140 Integrated Office Applications (3) BUS 145 Business Applications of Mathematics (3) BUS 150 Intro to Business (3) BUS 155 Business Communication (3) BUS 240 Commercial Law	(3) MGT 150 Principles of Management (3) MKT 110 Principles of Marketing (3) MKT 120 Principles of Advertising (3) MKT 130 Professional Selling (3) MKT 140 Principles of Retailing (3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior (3) MKT 264 International Marketing
Program Electives	3	Choose courses from catalog with prefix AOM, BUS, CDM, DGM, MGT, MKT, or WEB. (AOM 130, AOM 132 or MKT 249 recommended)	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Marketing Certificate

Curriculum: OCC 131	**Credit Hours**		
Program Core	30	(3) AOM 140 Integrated Office Applications (3) BUS 150 Intro to Business (3) BUS 155 Business Communications (3) MKT 110 Principles of Marketing (3) MKT 120 Principles of Advertising	(3) MKT 130 Professional Selling (3) MKT 140 Principles of Retailing (3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior (3) MKT 264 International Marketing
Total Certificate Credits	30		

For more information, visit: **www.mchenry.edu/marketingcertificate**

Requirements for the Marketing Management Certificate

Curriculum: OCC 135	**Credit Hours**		
Program Core	18	(3) MGT 150 Principles of Management (3) MKT 110 Principles of Marketing (3) MKT 120 Principles of Advertising	(3) MKT 130 Professional Selling (3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior
Total Certificate Credits	18		

For more information, visit: **www.mchenry.edu/marketingmanagement**

Requirements for the Professional Selling Certificate

Curriculum: OCC 137	**Credit Hours**		
Program Core	18	(3) BUS 150 Intro to Business (3) BUS 155 Business Communication (3) MKT 110 Principles of Marketing (3) MKT 130 Professional Selling	(3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior
Total Certificate Credits	18		

For more information, visit: **www.mchenry.edu/professionalselling**

Requirements for the Retail Marketing Specialist Certificate

Curriculum: OCC 132	Credit Hours		
Program Core	18	(3) BUS 155 Business Communication (3) MKT 110 Principles of Marketing (3) MKT 130 Professional Selling	(3) MKT 140 Principles of Retailing (3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior
Total Certificate Credits	18		

Requirements for the Small Business Marketing Certificate

Curriculum: OCC 138	Credit Hours		
Program Core	16	(3) BUS 162 Entrepreneurship Business Planning (3) MKT 110 Principles of Marketing (3) MKT 130 Professional Selling	(3) MKT 160 Social Media Marketing (3) MKT 225 Consumer Behavior (1) MKT 249 Marketing Internship
Total Certificate Credits	16		

Requirements for the Social Media Marketing Certificate

Curriculum: OCC 139	Credit Hours	
Program Core	12	(3) BUS 150 Introduction to Business (3) BUS 155 Business Communication (3) MKT 110 Principles of Marketing (3) MKT 160 Social Media Marketing
Total Certificate Credits	12	

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department for OCC 131 Marketing Certificate

For more information, contact the department chair: (815) 455-8732.

MOBILE DESIGN AND DEVELOPMENT

Program Overview

The Mobile Design and Development Program is designed to train students to design and develop mobile applications. Students develop a comprehensive understanding of core design principles and key development strategies, including developing for both the Android and iOS (Apple) mobile devices. Students also gain a basic understanding of database technology used for providing data for apps.

The program trains individuals to become mobile developers. Students learn design theory as well as gain experience in programming for multiple mobile platforms. The training is geared toward students with no experience, but is an excellent opportunity for people changing careers or who wish to take individual courses, to stay current in their existing jobs.

For more information, visit: **www.mchenry.edu/appdev**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Mobile Design and Development

Curriculum: OCC 430	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* (3) GRA 167 Graphic Design I **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO	**Social & Behavioral Sciences cont'd.** (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** Select from the following prefixes or course numbers: MAT (100 level or above) **Sciences** Select from the following prefixes or course numbers: BIO	**Sciences cont'd.** CHM EAS
Program Core	42	(3) DBM 100 Intro to MySQL Database Management Systems (3) DGM 107 Digital Legalities (3) DBM 110 SQL/Database Concepts (3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) DGM 265 Agile Project Management (3) MAD 105 Programming for Android I	(3) MAD 107 Programming for iOS I (3) MAD 155 Programming for Android II (3) MAD 157 Programming for iOS II (3) MAD 255 Programming for Android III **or** (3) MAD 257 Programming for iOS III (3) PRG 105 Programming Logic (3) PRG 147 JavaScript Programming I (3) WEB 105 Web Fundamentals
Program Electives	**3**	Select from the following prefixes or course numbers: GRA MAD PRG WEB	
Total Degree Credits	**60**		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Android Development Certificate

Curriculum:	Credit Hours		
Program Core 6 courses	18	(3) CDM 110 Computer Literacy for Windows (3) DBM 110 SQL/Database Concepts (3) MAD 105 Programming for Android I	(3) MAD 155 Programming for Android II (3) MAD 255 Programming for Android III (3) PRG 105 Programming Logic
Total Degree Credits	**18**		

For more information, visit: **www.mchenry.edu/android**

Requirements for the iOS Development Certificate

Curriculum:	Credit Hours		
Program Core 6 courses	18	(3) DBM 100 Intro to Database Management Systems (3) DGM 265 Agile Project Management (3) MAD 107 Programming for iOS I	(3) MAD 157 Programming for iOS II (3) MAD 257 Programming for iOS III (3) PRG 105 Programming Logic
Total Degree Credits	**18**		

For more information, visit: **www.mchenry.edu/ios**

Requirements for the Programming Fundamentals Certificate

Curriculum:	Credit Hours		
Program Core 6 courses	12	(3) DBM 100 Intro to Database Management Systems (3) DBM 110 SQL/Database Concepts	(3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals
Program Electives	9	Select from the following prefixes or course numbers: CSC DBM MAD	PRG WEB or DGM 265
Total Degree Credits	**21**		

For more information, visit: **www.mchenry.edu/programming**

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair (815) 479-7511.

NURSING

Program Overview

MCC's Nursing Program prepares students to be professional nurses in a variety of health care settings, including hospitals, nursing homes, clinics, private homes and offices. The MCC Nursing Program is approved by the Illinois Department of Financial and Professional Regulation, the Illinois Community College Board, and the Illinois Board of Higher Education. Graduates of the program are eligible to take the National Council of State Boards of Nursing Examination (NCLEX-RN®), which may lead to licensure as a Registered Professional Nurse (RN).

For more information, visit: **www.mchenry.edu/adn**

Admission Requirements

- A grade of C or higher is required for all general education and support courses: BIO 255, BIO 263 and BIO 264, ENG 151, HCE 110, HCE 111, HFE 250, PHI 251 or PHI 252, PSY 151, PSY 250, and SPE 151 (or equivalent courses). BIO 263 and BIO 264 (or equivalent) must have been completed within five years of acceptance into the Nursing Program. A refresher course is available for students who have taken BIO 263 and BIO 264 more than five years ago and received a grade of C or higher. Please contact the director of Nursing if interested.
- The cumulative GPA of the prerequisite courses must be at least 2.5.
- MAT 099, or MAT 020 and MAT 120, or a college algebra course with a C or higher, or placement into MAT 161 on the Math Placement Exam is required.
- Applicant must complete the preadmission testing (TEAS). Test dates and procedures will be posted on the MCC website at **www.mchenry.edu/adn.**
- Applicant must be a Certified Nursing Assistant with documentation of good standing on the Illinois Health Care Worker registry (formerly CNA registry). This documentation can be found on the registry website at **www.hcwbc.idphnet.com/BgChecks.Public/Search.aspx.**
- Preference is given to residents of McHenry County College District #528.

NOTE: *All admission requirements must be complete or in progress in order to apply to the Nursing Program. Please contact an academic advisor with any questions.*

Admission Process

All applicants are strongly encouraged to attend a nursing student information session. These are generally scheduled monthly. Dates are posted on the nursing website **www.mchenry.edu/adn**.

- Individuals must have an MCC student ID number to apply to the Nursing Program. If an applicant has never attended MCC as a credit student, a MCC Admissions Form and a $15 fee must be submitted online at **www.mchenry.edu/apply** or at the Registration Office, Room A258.
- Students should complete and submit the AAS in Nursing Program application. This application is available in the Nursing Program office, Room E212, or on MCC's website **www.mchenry.edu/adn.**
- The application deadline is 4:30 p.m. on March 15. The completed Nursing application and the documentation of good standing on the Illinois Health Care Worker registry must be returned to the Nursing department secretary in Room E212.
- If any general education or support courses were taken at another institution, an official transcript from that college must be submitted to the Admissions Office with a request for it to be reviewed for the Nursing Program. It is highly recommended that official transcripts and evaluation requests be submitted by October 15.
- Preadmission testing dates and procedures will be published on the website **www.mchenry.edu/adn.** It is the student's responsibility to watch for these dates and to register to test through the Testing Center, Room A245. A non-refundable fee must be paid at the time of testing registration. To do well on the TEAS (Test of Essential Academic Skills) students should have completed most of the supportive courses, especially the science courses, prior to testing. The TEAS may be taken twice. The last score will be used in the application process. Study guides are available in the bookstore. The study guide and online practice tests may also be purchased online at **www.atitesting.com/onlinestore**. No other nursing preadmission exam scores are considered.
- Students who are not accepted into the program must reapply for the following year. MCC does not maintain a waiting list.

Factors Influencing Acceptance into the Program

The number of students admitted into the Nursing Program each fall is limited; therefore, admission is extremely competitive. The screening process is designed to select the most academically qualified students and takes into consideration the TEAS score plus the cumulative GPA in the general education and support courses. All general education and support courses must be completed prior to admission into the program.

Students are required to show proof of current American Heart Association BLS Healthcare Providers certification.

A recent physical exam, proof of current immunizations, two-step TB test, drug screen and background check documentation are also required. The medical form and details about the drug screening and background check are distributed at Nursing orientation. Students are also required to show proof of individual health insurance coverage throughout the duration of the nursing program.

Notification of Acceptance

Students are notified by mail of their acceptance into the Nursing Program. They must complete and return an acceptance agreement within two weeks of receiving notification. Letters are sent to all applicants.

Program Costs

While many costs associated with the Nursing Program are incorporated into course fees, students should anticipate buying a uniform, a stethoscope, an analog watch with a second hand, and many books, among other things, during the first semester. The costs are by far the greatest in the first and last semesters. First semester costs including books, uniforms, stethoscope and supplies will cost approximately $1,000. The last semester expenses include the licensing exam cost of nearly $300 and other costs associated with graduation.

Clinicals

Clinicals are scheduled in or near McHenry County. Reliable personal transportation to the clinical site is required. Clinical times and days vary from semester to semester. Students may be required to arrive at the clinical site by 6:30 a.m. or earlier or attend an afternoon clinical that may not dismiss until 9:00 p.m. or later. Clinical days, times and locations cannot be guaranteed.

Scholarships

There are several scholarships available to Nursing students only. Students may learn more about scholarships at the Financial Aid Office in Room A258 or at **www.mchenry.edu/scholarships.**

LPN to RN Bridge Program

The LPN to RN Bridge program allows current Illinois licensed practical nurses the opportunity for educational advancement and licensure as a Registered Nurse. LPN bridge students must complete the same prerequisites as students who enter the RN program. LPN bridge students must take NUR 125 as a prerequisite course within a year of entering the RN program. Upon successful completion of NUR 125 with a grade of C or higher, students may apply to the RN program. Students accepted into the RN program will receive 4 credit hours of advanced standing for their Illinois LPN license. After successful completion of NUR 125 and acceptance into the nursing program, students will enroll in NUR 130.

For more information, visit: **www.mchenry.edu/lpn**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Registered Nursing

Curriculum: OCC 3010	Credit Hours		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following:* (3) PHI 251 Intro to Ethics (3) PHI 252 Bioethics	**Social & Behavioral Sciences** *Select 1 course from the following:* (3) PSY 151 Intro to Psychology
Mathematics, Physical or Life Sciences, Technology Select 1 course from Physical or Life Sciences	4	**Physical or Life Sciences** (4) BIO 255 Microbiology	
Support Core	16	(4) BIO 263 Human Anatomy & Physiology I (4) BIO 264 Human Anatomy & Physiology II (1) HCE 110 Medication Math	(1) HCE 111 Evidence-Based Practice (3) HFE 250 Nutrition for Wellness (3) PSY 250 Human Development Over the Life Span
Nursing Core	37	(3) NUR 112 Fundamentals of Nursing Theory (4) NUR 115 Fundamentals of Nursing Practice (5) NUR 130 Concepts of Nursing Practice I (5) NUR 135 Concepts of Nursing Practice II (5) NUR 212 Concepts of Nursing Practice III	(4) NUR 215 Concepts in Psychiatric Nursing (4) NUR 222 Concepts of Family Nursing (2) NUR 225 Complex Issues in Healthcare (5) NUR 240 Nursing Leadership
Total Degree Credits	69		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the director of Nursing: (815) 455-8710.

NURSING ASSISTANT EDUCATION

Program Overview

As the population ages and medical technology advances, people with chronic medical conditions are living longer and the need for long-term care workers will grow over the next several decades. Nursing assistants work under the direct supervision of licensed healthcare providers, providing much of the direct, hands-on care in long-term care settings and other health care facilities in the community and at home.

The education and work experience provided by the Basic Nursing Assistant Certificate gives students valuable insight into both the art and science of Nursing. The program involves theory and lab practice at the College and a practical clinical component at an area healthcare facility. Providing the student receives a minimum grade of C in theory/lab and a satisfactory in clinical, the student may take the written Illinois Nursing Assistant Competency Exam for employment as a Certified Nursing Assistant. This program is approved by Illinois Department of Health.

Requirements for the Basic Nursing Assistant Certificate

Curriculum: OCC 211	Credit Hours	
Program Core	7	(7) NAE 100 Basic Nursing Assistant
Total Certificate Credits	7	

For more information, visit: **www.mchenry.edu/nae**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduation application

For more information, contact the department chair of Nursing Education Assistant: (815) 455-8710.

OCCUPATIONAL THERAPY ASSISTANT

Program Overview

The Occupational Therapy Assistant (OTA) program is designed to prepare individuals to function as entry-level certified occupational therapy assistants working in partnership with the occupational therapist. OTA graduates can find employment in a variety of healthcare and human service settings including hospitals, clinics, extended care facilities, schools and specialized community care and wellness programs.

The OTA program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, 20814-3449. ACOTE's telephone number is (301) 652-2682; the web address is **www.acoteonline.org**. Graduates will be eligible to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). A felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Successful certification permits the graduate to apply for licensure as required by the State of Illinois.

Admission to McHenry County College does not guarantee admission to the OTA program.

What Does An Occupational Therapy Assistant Do?

Occupational therapy is a profession that is essential to the promotion of health and wellness. Occupational therapy assistants, under the supervision of the occupational therapist, plan and implement goal-directed therapeutic occupations uniquely designed to help patients and clients achieve optimal function in their daily life roles. In response to the effects of disabling disease or disorder, the OTA also may facilitate an individual's level of functional independence by modifying or re-designing any of the multiple environments in which patients and clients live and work.

What is the Program Like?

The program highlights skilled instruction in the classroom enhanced by hands-on learning experiences in health and wellness settings. Emphasis is on development of real life problem-solving skills needed for the occupational therapy assistant to enhance meaningful active participation in the lives of people. Students' expertise is advanced through field observations and community involvement, fieldwork training experiences in a wide range of facilities and programs, participation in professional organizations and activities, and mentoring faculty. Students will work with experienced instructors, both COTAs and OTs who work as a team and model the collaboration desired between practitioners.

Admission Requirements

- A grade of C or higher is required for all general education and support courses: ENG 151, SPE 151, PSY 151, BIO 263 and BIO 264 (or equivalent). The biology courses must have been completed within 5 years of admittance into the program.
- The cumulative GPA of at least 2.75 is required for general education and support courses.
- Preference is given to residents of McHenry County College District #528.

Admissions Process

- Individuals must have a MCC student ID number to apply to the Occupational Therapy Assistant program. If an applicant has never attended MCC as a credit student, a MCC Admissions form and a $15 application fee must be submitted online at **www.mchenry.edu/apply** or at the Registration Office, Room A258.
- If any general education or support courses were taken at another institution, official transcripts from every college or university you attended must be submitted to the Admissions Office with a request for it to be reviewed for the Occupational Therapy Assistant Program. It is highly recommended that official transcripts and evaluation requests be submitted one month prior to the application deadline.
- A two page typed response to the following essay questions:
  - What has been your exposure to occupational therapy assistants and/or occupational therapists?
  - What factors influenced your decision to become an occupational therapy assistant at MCC?
  - Individuals must also complete of the OTA Supplemental Information Form, available in the Occupational Therapy Assistant Program Office (E212) or on MCC's website **www.mchenry.edu/ota/otasupplemental.pdf**
  - Group interviews begin after August 15th.

Criteria for Selection

The number of students accepted into the Occupational Therapy Assistant Program is limited, therefore admission is competitive. The screening process is designed to select the most academically qualified students and takes into account GPA, completion of general education and support courses and experience or familiarity with occupational therapy.

Notification of Acceptance

Students are notified by mail of their acceptance into the Occupational Therapy Assistant Program. They must complete and return an acceptance agreement within

two weeks of receiving notification. Letters are sent to all applicants by October 15. If there are more qualified applicants than class space available, applicants will be placed on a waiting list for that year's admissions and will be placed as space becomes available. Individuals not accepted into the program may reapply the following year. The program does not retain applications after the spring semester starts.

Additional Requirements

Once accepted into the OTA program, students are required to provide proof of the following medical and legal clearance: current physical exam, proof of current immunizations, two-step TB test, criminal background check, child abuse clearance and current American Heart Association BLS Healthcare Providers certification. Students are also required to have Health Insurance throughout their period of enrollment. The medical forms and details about the background checks are distributed with acceptance paperwork. The required documentation should be submitted to the Program Director in Room E212.

Access and knowledge of basic technology for projects, e-mail, accessing and turning in assignments is required. A blended course is required as part of the curriculum in the fourth semester of the program.

Clinical Education

Students must participate in two levels of fieldwork while enrolled in the OTA program. Fieldwork level I takes place during each of the first three semesters while in the program. These are designed to allow students to observe, shadow and interview professionals within the field.

Fieldwork level II is hands-on experiences which allow the OTA students to gradually assume the roles and responsibilities of an entry-level OTA. Reliable personal transportation is required. Days and times of fieldwork may change from semester to semester. Fieldwork level II experiences are each nine weeks in length, and the student is required to be at the site for 40 hours per week. These experiences could start early in the morning, end later in the evening and/or could be scheduled on weekends. Students must complete Level I fieldwork (OTA 260 and OTA 265) within 18 months following completion of the didactic portion of the program.

Advanced Placement

Requests for advanced placement or transferring occupational therapy assistant courses from another occupational therapy program are not being considered at this time.

For more information, visit: **www.mchenry.edu/ota**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the Occupational Therapy Assistant department chair.

Requirements for the Associate in Applied Science (AAS) in Occupational Therapy Assistant

Curriculum: OCC 305	Credit Hours		
General Education Core			
Communications	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** (3) PSY 151 Introduction to Psychology
Mathematics, Physical or Life Sciences, Technology Select 1 course from Physical or Life Sciences	4	**Physical or Life Sciences** (4) BIO 263 Anatomy & Physiology I	
Support Core	8	(4) BIO 264 Anatomy & Physiology II (1) HCE 111 Evidence Based Practice	(3) PSY 250 Human Development Over the Lifespan
OTA Core	48	(2) OTA 110 Foundations of Occupational Therapy (3) OTA 120 Therapeutic Methods I (3) OTA 130 Occupations Across the Lifespan (3) OTA 140 Dynamics of Human Movement (3) OTA 150 Conditions Disrupting Participation (5) OTA 160 Psychosocial Rehabilitation Theory & Methods (3) OTA 170 Therapeutic Methods II	(5) OTA 210 Physical Theory & Rehab Methods (4) OTA 220 Therapeutic Methods III (3) OTA 230 Professional Analysis in Practice (2) OTA 240 Health Services Management (2) OTA 250 Professional Practice Seminar (5) OTA 260 Fieldwork Level IIA (5) OTA 265 Fieldwork Level IIB
Total Degree Credits	72		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

NOTE: *Students must complete Level II fieldwork (OTA 260 and OTA 265) within 18 months following completion of the didactic portion of the program.*

Occupational Therapy and Occupational Therapy Assistant courses from other institutions will not be considered as course equivalency for OTA courses.

For more information, contact the department chair: (815) 455-8710.

PARALEGAL STUDIES

Program Overview

Opportunities in the Paralegal field are plentiful. Experienced, formally trained Paralegal Studies graduates with strong research, writing and computer skills have the best job prospects according to the U. S. Bureau of Labor Statistics.

The Paralegal Studies program prepares students to perform substantive and procedural legal work under the supervision of a lawyer or judge in law firms, corporations, legal aid offices or government agencies. The program may also serve as a foundation for students who may later pursue baccalaureate or professional degrees in Paralegal Studies or Law.

MCC offers both a Paralegal Studies Certificate and an Associate in Applied Science in Paralegal Studies degree. The AAS in Paralegal Studies is designed for individuals who have not yet earned a college degree. The Paralegal Studies Certificate is reserved for those who have earned a college degree with 18 credit hours of general education coursework.

Admissions Requirements

The AAS in Paralegal Studies and the Paralegal Studies Certificate courses require:

- Scoring at or above the 80th percentile on the Watson-Glaser Critical thinking Appraisal
- Intermediate mathematical, reading and writing skills as identified by specific scores obtained on the ACT, COMPASS or other equivalent tests.

To enter the Paralegal Studies Certificate program, students must also show the following:

- Completion of an associate degree or bachelor's degree from a regionally accredited institution
- Completion of 18 credit hours, or equivalent, of general education coursework.

If any general education, support courses, associate's degree or bachelor's degree were taken at another institution, an official transcript from that college must be submitted to the Admissions office with a request for it to be reviewed for the Paralegal Studies Program.

For more information, visit: **www.mchenry.edu/paralegal**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Paralegal Studies

Curriculum: OCC 208	**Credit Hours**		
General Education Core			
Communications 3 courses	9	(3) ENG 151 Composition I (3) ENG 152 Composition II (3) SPE 151 Intro to Speech	
Humanities & Fine Arts, Social & Behavioral Sciences Select 3 courses from Humanities & Fine Arts **and** Social & Behavioral Sciences	9	**Humanities & Fine Arts** (3) PHI 251 Intro to Ethics	**Social & Behavioral Sciences** (3) PLT 151 United States Government (3) PLT 155 State & Local Government
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics, Physical or Life Sciences, **or** Technology	3	**Mathematics** MAT (100 level or above) **Physical or Life Sciences** *Select from the following prefixes or course numbers:* BIO CHM EAS (4) GEG 107 Physical Geography (3) GEG 123 Energy Resources (3) GEG 220 The Global Environment	**Physical or Life Sciences cont'd.** GEL (3) HFE 250 Nutrition for Wellness (4) HRT 103 Intro to Plant Science (4) HRT 105 Intro to Soil Science PHY **Technology** (3) AET 151 Computer Aided Design Graphics I (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) WEB 105 Web Fundamentals

Program Core	39-42	(3) CDM 110 Computer Literacy for Windows (3) CJS 115 Criminal Law (3) PAR 101 Intro to Paralegal Studies (3) PAR 102 Legal Research and Writing (3) PAR 103 Civil Litigation and Discovery (3) PAR 110 Law Office Technology	(3) PAR 120 Torts and Insurance Law (3) PAR 121 Contract Law (3) PAR 122 Real Property Law (3) PAR 123 Family Law (3) PAR 124 Intellectual Property Law **or** (3) BUS 241 Legal Environment of Business (3) PAR 125 Estate Planning and Probate Law (3-6) PAR 255 Paralegal Studies Internship
Total Degree Credits	60-63		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

For more information, contact the department chair: (815) 479-7511.

Requirements for the Paralegal Certificate

Paralegal Studies Certificate OCC 210	**Credit Hours**	Courses
Program Core	18	(3) PAR 101 Introduction to Paralegal Studies (3) PAR 102 Legal Research and Writing (3) PAR 103 Civil Litigation and Discovery (3) PAR 110 Law Office Technology (3) PAR 122 Real Property Law (3) PAR 123 Family Law
Program Electives	9	(3) BUS 241 Legal Environment of Business (3) CJS 115 Criminal Law (3) PAR 120 Torts and Insurance Law (3) PAR 121 Contract Law (3) PAR 124 Intellectual Property Law (3) PAR 125 Estate Planning and Probate Law (3) PAR 255 Paralegal Internship
Total Certificate Credits	27	

For more information, visit: **www.mchenry.edu/paralegalcertificate**

Other Certificate Requirements:

- 2.0 minimum GPA at MCC upon completion of program
- A minimum of 14 hours of Paralegal Studies courses must be completed at McHenry County College to receive the certificate.
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department.

For more information contact the department chair: (815) 455-8996 or (815) 479-7511.

PHYSICAL THERAPIST ASSISTANT

Program Overview

The Physical Therapist Assistant (PTA) program will prepare graduates for entry-level positions as physical therapist assistants (PTAs) working under the direction and supervision of the physical therapist (PT). PTAs work with people of all ages – from infants to the elderly – in a variety of clinical settings including hospitals, private practices, rehabilitation centers, outpatient facilities, school systems, home health care or skilled nursing facilities.

Pending program accreditation, graduates will be eligible to sit for the National Physical Therapy Examination (NPTE) for the physical therapist assistant administered by The Federation of State Boards of Physical Therapy (FSBPT). Successful completion of the NPTE permits the graduate to work as a licensed PTA.

A felony conviction may affect a graduate's ability to sit for the NPTE or attain state licensure. Admission to McHenry County College does not guarantee admission to the PTA program.

What Does a Physical Therapist Assistant Do?

Physical therapist assistants (PTAs) work as part of a team to provide physical therapy services under the direction and supervision of the physical therapist (PT). PTAs implement selected components of patient/client interventions (treatment), obtain data related to the interventions provided, and make modifications in selected interventions either to progress the patient/client as directed by the PT or to ensure patient/client safety and comfort. PTAs assist the PT in the treatment of individuals who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives.

Admission Requirements

- Strongly recommend completion of ALL of the following General Education and Support courses prior to beginning the PTA program:

  AOM 135 Medical Terminology

  BIO 157 Fundamentals of Biology

  BIO 263 Human Anatomy & Physiology I

  BIO 264 Human Anatomy & Physiology II

  ENG 151 Composition I

  HCE 111 Evidence Based Practice

  PSY 151 Introduction to Psychology

  SPE 151 Introduction to Speech

- PTA Program General Education and Support course GPA must be 2.75 or greater.
- A grade of C or higher is required for all PTA program General Education and Support courses.
- Anatomy & Physiology I & II must be completed within 5 years of application deadline date.
- Response to two (2) essay questions which need to be completed in the Testing Center. Visit the website at www.mchenry.edu/pta to schedule a time.

  1. Why are you interested in becoming a PTA?
  2. What special skills, education or experience do you possess that distinguish you from other PTA applicants?

- Clinical Experience: A minimum of 40 hours of Physical Therapy clinical experience (work, volunteer or observation) must be documented with a minimum of 20 hours in an out-patient setting and a minimum of 20 hours in another clinical setting. Clinical experience must occur within five (5) years of applying to PTA program.
- If the applicant has not completed ENG 151 or the equivalent, English Placement Test score that meets prerequisite to take ENG 151 (or the equivalent) or English ACT score of 21 or higher is required.

Preference in admission will be given to residents of Community College District #528 who meet the stated minimum acceptance criteria for the program. Check to see if you live in District 528.

Application and Admission Process

- All applicants are strongly encouraged to attend a PTA program information session. These are generally scheduled monthly. Dates are posted on the PTA website www.mchenry.edu/pta
- Individuals must have an MCC student ID number to apply to the PTA Program. If an applicant has never attended MCC as a credit student, a MCC Admissions Form and the required fee must be submitted online at www.mchenry.edu/apply or at the Registration Office, Room A258.
- If any general education or support courses were taken at another institution, official transcripts from every college or university the applicant attended must be submitted to the Admissions Office with a request for it to be reviewed for the Physical Therapist Assistant program. It is highly recommended that official transcripts and evaluation requests be submitted no later than one (1) month prior to the application deadline.
- Applicants should complete all PTA Program application material. The application material is available on MCC's website www.mchenry.edu/pta.

Applicants must submit all application material by August 15 or the following weekday, to the PTA Program secretary in Room E212.

Applicants not accepted into the program have the option of re-applying to the program.

Admission material submitted for one year is not automatically carried over to the following year. Therefore, if an applicant reapplies, the applicant must meet all admission criteria and re-submit all application material.

The PTA Program does not maintain a waiting list.

Criteria for Selection

The number of applicants accepted into the Physical Therapist Assistant Program is limited to 16 applicants, therefore admission is competitive. To be considered for admission, applicants must complete the PTA Admission Requirements and submit all accompanying documentation. Selection for admission is determined based on the following categories. Ultimate selection is determined by the PTA admissions committee. All admission decisions are final.

- Completion of General Education and Support courses PTA Program General Education and Support course cumulative G.P.A. 2.75 or greater
- A grade of C or higher for all PTA program General Education and Support courses
- Anatomy & Physiology completed within five (5) years of applying to PTA program. A refresher course is available for student who have taken BIO 263/264 more than five years ago and received a grade of C or Higher. Please contact the PTA program chair for details.
- Response to two essay questions
- Physical Therapy clinical experience
- Incomplete application files are not considered for placement.
- The PTA program chair and Admission Committee will interview eligible applicants after the application deadline.

Notification of Acceptance

Sixteen applicants are accepted into the PTA program and begin the program each year in the spring semester.

Notification of the PTA Admissions Committee decision will be sent to all applicants via postage mail mid-October.

Applicants offered admission must respond in writing within 14 days, or that offer is withdrawn.

Applicants who decline an offer of admission, or accept but fail to register for classes, are not guaranteed admission at a later date.

Additional Requirements

Once accepted into the PTA program, students are required to provide proof of the following medical and legal clearance:

- Current physical exam
- Proof of current immunizations
- Two-step TB test
- Criminal background check
- Child abuse clearance
- Drug testing
- Current American Heart Association BLS Healthcare Providers CPR certification (MCC offers HEALTHCARE PROVIDER CPR to fulfill this requirement).

The medical requirements, details about criminal background check, child abuse clearance and drug testing as well as CPR certification are distributed at PTA student orientation.

Students accepted to the program must attend the mandatory PTA student orientation date and time to be determined.

Students are also required to have Health Insurance throughout their period of enrollment.

Access and knowledge of CANVAS Learning Management System is required.

Once admitted, in order to continue in the PTA Program, a student must maintain an overall GPA of 2.0 and earn a minimum grade of C in each PTA program Core lecture/laboratory course and "Satisfactory" in each Clinical Experience. Therefore, acceptance to the PTA program does not guarantee successful completion of the PTA program.

A student who withdraws or is dismissed from the program is not guaranteed readmission. (Details regarding the PTA program withdrawal policy may be obtained from the PTA program chair.)

Clinical Education

Introduction to Clinical Education is a 12-week, part-time (5 hours per week) experience during the first year that begins the preparation of students to function as entry-level PTAs.

Clinical Experience I is a 4.5-week, full-time (40 hours per week) experience continues the preparation of students to function as entry-level PTAs.

Clinical Experience II and III are 6-week, full-time (40 hours per week) experiences during the second year that continue to prepare students to function as entry-level PTAs.

Clinical Seminar, concurrent to Clinical Experience II and Clinical Experience III, provides the opportunity for student discussion, sharing of clinical experiences and student presentations related to their clinical experiences as well as preparation for the licensure exam and for employment; composing a resume; and the importance of continuing education and lifelong learning.

Days and times of Introduction to Clinical Education and each Clinical Experience may change from semester to semester. These experiences could start early in

the morning, end later in the evening and/or could be scheduled on weekends. Reliable personal transportation is required.

Advanced Placement or Transferring

Requests for advanced placement or transferring Physical therapist assistant courses from another PTA program are not being considered at this time.

Graduation from a physical therapist assistant education program accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; phone; 703-706-3245; accreditation@apta.org is necessary for eligibility to sit for the licensure examination, which is required in all states.

McHenry County College is seeking accreditation of a new physical therapist assistant education program from CAPTE. The program is planning to submit an Application for Candidacy, which is the formal application required in the pre-accreditation stage, on June 1st, 2018. Submission of this document does not assure that the program will be granted Candidate for Accreditation status. Achievement of Candidate for Accreditation status is required prior to implementation of the technical phase of the program; therefore, no students may be enrolled in technical courses until Candidate for Accreditation status has been achieved. Further, though achievement of Candidate for Accreditation status signifies satisfactory progress toward accreditation, it does not assure that the program will be granted accreditation.

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework to a bachelor's degree program. For more information, see an academic advisor and the program chair.

Requirements for the Associate in Applied Science (AAS) in Physical Therapist Assistant

Curriculum: OCC 310	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I (3) SPE 151 Intro to Speech	
Social & Behavioral Sciences 1 course	3	(3) PSY 151 Introduction to Psychology	
Mathematics, Physical or Life Sciences 3 courses	12	**Sciences** (4) BIO 157 Fundamentals of Biology (4) BIO 263 Human Anatomy & Physiology I (4) BIO 264 Human Anatomy & Physiology II	
Humanities & Fine Arts 1 course	3	(3) Humanities & Fine Arts course options for AAS degree	
Support Core 2 courses	4	(3) AOM 135 Medical Terminology (1) HCE 111 Evidence Based Practice	
Program Core 14 courses	42	(3) PTA 101 Introduction to PTA (4) PTA 120 PTA Patient Interventions I (4) PTA 130 PTA Patient Assessment I (4) PTA 141 PTA Kinesiology (2) PTA 142 PTA Pathophysiology (1) PTA 145 Intro. to Clinical Education (3) PTA 151 PTA Clinical Experience I	(3) PTA 210 PTA Patient Assessment II (4) PTA 220 PTA Patient Interventions II (1) PTA 240 PTA Administration (3) PTA 242 PTA Rehabilitation Strategies (4) PTA 250 PTA Clinical Experience II (4) PTA 251 PTA Clinical Experience III (2) PTA 252 PTA Clinical Seminar
Total Degree Credits	70		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department

For more information, contact the Physical Therapist Assistant Program at: (815) 479-7601 or email ptainfo@mchenry.edu

ROBOTICS SYSTEMS ENGINEERING TECHNOLOGY

Program Overview

The robotics program at MCC is designed to train students in several areas related to the field of robotics. These fields include theoretical discussions of robotics, robot programming, robotics system simulation and design. Students will develop a comprehensive understanding of robotic systems. Students will develop key skills in writing, the development process, and design to optimize today's technologies. Students will apply their skills through hands-on projects in laboratory settings and group work

Some of the key areas addressed by the curriculum include:

- path planning and navigation for autonomous robots
- applied machine learning for adaptation of robotics systems
- sensor networks
- multi-robot systems
- industrial robot programming
- robotic software programming for mobile robots robotic system simulation

For more information, visit: **www.mchenry.edu/robotics**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Robotics Systems Engineering Technology

Curriculum: OCC 1150	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 105 Technical Communications (3) ENG 151 Composition I	(3) ENG 152 Composition II (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts and 1 course from Social & Behavioral Sciences *PHI 251 and SOC 151 recommended*	6	**Humanities & Fine Arts** *Select 1 course from the following prefixes or course numbers:* ART (does not include: 166, 190, 290, 299) (3) AET 141 Interior Design I (3) AET 142 History of Interiors (3) AET 241 Interior Design II (3) DGM 168 Computer Art I ENG (does not include: 088-099, 105, 151, 152) FRE GER (3) GRA 167 Graphic Design I (3) JRN 152 Intro to Mass Communication (3) JRN 155 Newswriting (3) JRN 165 Intro to Broadcasting (3) JRN 170 Feature Writing (3) JRN 180 Intro to Film MUS (does not include: 100, 104, 111, 160, 161, 162, 201-219) PHI	**Humanities & Fine Arts cont'd.** (4) SPA 151 Elementary Spanish I (4) SPA 252 Intermediate Spanish II (4) SPA 152 Elementary Spanish II (4) SPA 251 Intermediate Spanish I (3) SPE 155 Interpersonal Communication (3) SPE 161 Small Group Communication (3) SPE 251 Intercultural Communication (3) SPE 265 Fundamentals of Oral Interpretation THE **Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics	3	**Mathematics** (3) MAT 107 Mathematics for Electronics II	

Program Core	26-27	(3) AET 151 Computer Aided Design Graphics I **or** (4) EGR 151 Engineering Graphics (3) CDM 110 Computer Literacy for Windows (3) IMT 102 Manufacturing Processes (3) IMT 103 Materials of Industry (3) IMT 104 Blueprint Reading for Manufacturing	(2) NET 140 Linux Operating Systems (3) ROB 110 Introduction to Robotics (3) ROB 150 PLC Automation Applications I (3) ROB 200 Cyber-Physical Systems
Program Electives	19	(3) AET 152 Computer Aided Design Graphics II (3) AET 153 Computer Aided Design Graphics III (3) AET 154 Computer Aided Design Graphics IV (3) AET 158 Geometric Tolerancing (3) AET 299 Independent Study in Design Technology (3) AOM 131 Windows Spreadsheet Applications I (3) AOM 132 Database Systems I (3) AOM 232 Database Systems II (4) CSC 121 Computer Science I (4) CSC 122 Computer Science II (3) DBM 110 SQL/Database Concepts (3) IMT 105 Introduction to Manual Machining (3) IMT 109 Mechanics of Materials (3) IMT/MGT 110 Supervisory Responsibility (3) IMT 112 Training the Trainer (3) IMT 116 Industrial Safety Management (3) IMT 117 Supply Chain Management I	(3) IMT 120 Metrology for Quality (3) IMT 121 Quality Practices & Management (3) IMT 135 Maintenance Management (3) IMT 155 CNC Programming II (2) IMT 200 Computer Integrated Manufacturing I (2) IMT 205 Computer Integrate Manufacturing II (3) IMT 210 Continuous Improvement Practices (3) IMT 215 Supply Chain Management II (1-6) IMT 299 Independent Study in Manufacturing (3) MAT 159 Mathematics for Electronics III (3) NET 110 Network+ Certification Prep (2) NET 120 Computer Hardware Basics (3) NET 145 Linux+ Certification Prep (2) NET 150 Windows Operating Systems (2) NET 180 Computer Security Awareness (4) NET 185 Ethical Hacking (3) ROB 115 Introduction to Electronics (3) ROB 116 Electricity and Automatic Controls (3) ROB 145 Hydraulics, Pneumatics and Controls (3) ROB 151 PLC Automation Applications II (3) ROB 211 Distributed Robotic Systems (3) ROB 220 Artificial Intelligence (3) WEB 105 Web Fundamentals
Total Degree Credits	60-61		

Other AAS Graduation Requirements:

- 2.0 cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of graduation application
- Completion of end-of-program assessment as directed by this department

Requirements for the Robotics Systems Programmer Certificate

Curriculum: OCC 1160	Credit Hours		
Program Core	17	(3) CDM 110 Computer Literacy for Windows (3) MAT 107 Mathematics for Electronics II (2) NET 140 Linux Operating Systems	(3) PRG 105 Programming Logic (3) ROB 110 Intro to Robotics (3) ROB 200 Cyber-Physical Systems
Program Electives	12	Choose courses from the catalog with the following prefixes: CDM, CSC, DBM, MAT NET, PRG, or ROB.	
Total Certificate Credits	29		

For more information, visit: **www.mchenry.edu/roboticsprogrammer**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department.

For more information, contact the department chair: (815) 455-8732.

WEB DESIGN AND DEVELOPMENT

Program Overview

The Web Design and Development Program is designed to train students to design and develop web sites. Students will develop a comprehensive understanding of core design principles and key development strategies. This will include developing sites for deployment on mobile devices and standard computers and the development of static websites and database-driven websites. The program will train individuals to become web designers and web developers. Students will learn design theory as well as gain experience in programming for browsers and servers. The training is geared toward students with no experience, but will be an excellent opportunity for people changing careers or who wish to take individual courses to stay current in their existing jobs.

For more information, visit:
www.mchenry.edu/webdevelopment

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Associate in Applied Science (AAS) in Web Design and Development

Curriculum: OCC 425	**Credit Hours**		
General Education Core			
Communications 2 courses	6	(3) ENG 151 Composition I	(3) ENG 152 Composition II **or** (3) SPE 151 Intro to Speech
Humanities & Fine Arts, Social & Behavioral Sciences Select 1 course from Humanities & Fine Arts **and** 1 course from Social & Behavioral Sciences	6	**Humanities & Fine Arts** (3) DGM 167 Graphic Arts	**Social & Behavioral Sciences** *Select 1 course from the following prefixes or course numbers:* ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
Mathematics, Physical or Life Sciences, Technology Select 1 course from Mathematics and Physical or Life Sciences	3	**Mathematics** *Select from the following prefix:* MAT (100-level or above)	**Physical or Life Sciences** *Select from the following prefixes:* BIO CHM EAS
Program Core	39	(3) DGM 107 Digital Legalities (3) DGM 152 User Interface Design (3) DGM 153 User Experience Design (3) DGM 265 Agile Project Management (3) DGM 275 Portfolio Design (3) ENG 108 Writing for the Web (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) PRG 147 JavaScript Programming I	(3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1 (3) WEB 212 PHP/MySQL
Program Electives 2 courses	6	Choose courses from the catalog with the following prefixes: DBM, DGM, GRA, MAD, PRG and WEB.	
Total Degree Credits	60		

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department.

Requirements for the Web Design Certificate

Curriculum: OCC 4230	Credit Hours		
Program Core	27	(3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) DGM 170 Digital Video Production (3) ENG 108 English Writing for the Web	(3) GRA 100 Adobe Design Suite (3) GRA 185 Color Theory (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1
Total Certificate Credits	27		

For more information, visit: **www.mchenry.edu/webdesign**

Requirements for the Web Development Certificate

Curriculum: OCC 426	Credit Hours		
Program Core	27	(3) DBM 110 SQL/Database Concepts (3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) PRG 105 Programming Logic	(3) PRG 147 JavaScript Programming I (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Design (3) WEB 212 PHP & mySQL
Total Certificate Credits	27		

For more information, visit: **www.mchenry.edu/webdev**

Requirements for the Web Marketing Certificate

Curriculum: OCC 4230	Credit Hours		
Program Core	24	(3) BUS 165 E-Commerce (3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) GRA 167 Graphic Design I (3) MKT 110 Principles of Marketing	(3) MKT 225 Consumer Behavior (3) WEB 105 Web Fundamentals (3) WEB 175 Website Development 1
Program Electives	3	Choose courses from the catalog with the following prefixes: ANI, DBM, DGM, GRA, MKT and WEB.	
Total Certificate Credits	27		

For more information, visit: **www.mchenry.edu/webmarketing**

Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department.

WELDING

Program Overview

The Welding Technician Certificate prepares students for entry level careers in welding. Students will become knowledgeable in welding safety, practice the major welding processes such as stick, Metal Inert Gas (MIG) welding and Tungsten Inert Gas (TIG). Students will steel and aluminum material arc welding including Gas Metal Arc Welding (GMAW), Shielded Metal Arc Welding (SMAW), Flux-Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

The Advanced Welding Technician Certificate prepares students for more specific advanced careers in production welding. Students complete the Welding Technician Certificate and choose from applicable welding courses in advanced stick and TIG. The Advanced Welding Technician Certificate will allow students interested in specialized welding certifications through AWS to become eligible.

For more information, visit: **www.mchenry.edu/weldingtech**

The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.

Requirements for the Welding Technician Certificate

Curriculum: OCC 270	Credit Hours	
Program Core	18	(3) MAT 106 Tech Math II (3) WLD 106 Welding Basics and Weldment Prints (3) WLD 121 Stick Welding Flat and Horizontal (3) WLD 131 MIG Welding Flat and Horizontal (3) WLD 132 MIG Welding Vertical and Overhead (3) WLD 141 TIG Welding Flat and Horizontal
Total Certificate Credits	18	

For more information, visit: **www.mchenry.edu/weldingtech**

Requirements for the Advanced Welding Technician Certificate

Curriculum: OCC 271	Credit Hours	
Program Core	18	(3) MAT 106 Tech Math II (3) WLD 106 Welding Basics and Weldment Prints (3) WLD 121 Stick Welding Flat and Horizontal (3) WLD 131 MIG Welding Flat and Horizontal (3) WLD 132 MIG Welding Vertical and Overhead (3) WLD 141 TIG Welding Flat and Horizontal
Program Electives Choose 2	6	(3) WLD 122 Stick Welding Vertical and Overhead (3) WLD 124 Stick Welding Pipe Basic (3) WLD 142 TIG Welding Vertical and Overhead
Total Certificate Credits	24	

For more information, visit: **www.mchenry.edu/advancedweldingtech**

Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduate application
- Completion of end-of-program assessment as directed by this department.

For more information, contact the department chair: (815) 479-7511.